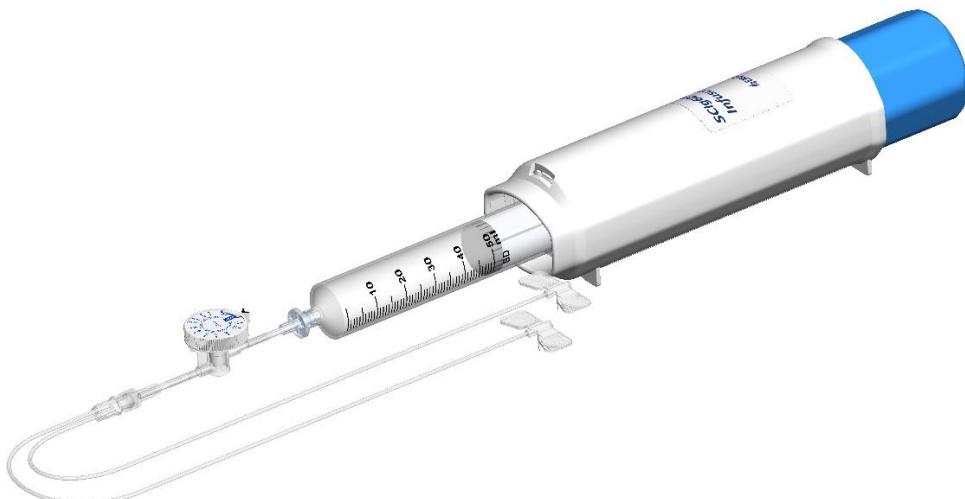




User Manual

SCIg60® Infusion System

International Users



SCIg60® Infusion System

Contact Information



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EC REP

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CE 0459

NOTE:

In the event any serious incident occurs due to the use of this product, the healthcare provider, user or patient shall report the incident to EMED Technologies at +1-916-932-0071 and the competent authority in your region.

User Manual (International)

Contents

Important Information	3
Introduction	5
Indications.....	7
Contraindications.....	7
Intended Population	7
Warnings and Precautions	8
MRI Safety Information	8
Instructions for Use	9
Maintenance, Storage, and Disposal	14
Specifications	15
Factors that Affect Flow Rate	16
System Setup for Infusion Rates.....	17
Infusing Cutaquig (in Canada)	18
Infusing Cutaquig (International Use, Excluding Canada)	22
Infusing Cuvitru.....	30
Infusing Gammagard or Kiovig.....	34
Infusing Gamunex-C or Gammaked	44
Infusing Gammanorm	60
Infusing Hizentra.....	63
Infusing Subcuvia	70
Infusing Xembify	72
Troubleshooting	79
Warranty.....	81

SC Ig60® Infusion System

Important Information

Please contact EMED Technologies if you have any questions or concerns regarding the use of the SC Ig60 Infusion System.

Document Conventions

The below text and color code convention is used throughout this document to highlight warnings, cautions, and notes:

WARNING:

A **Warning** is an alert to a potential hazard which could result in serious personal injury or product damage if proper procedures are not followed.

CAUTION:

A **Caution** is an alert to a potential hazard which could result in minor personal injury or product damage if proper procedures are not followed.

NOTE:

A **Note** provides additional information or recommendation.

Terms and Abbreviations

The following terms are defined below and referenced throughout the document:

Defined Term	Meaning
Infuset	Infuset® fixed rate flow control accessory
IFU	Instructions for Use
Pump	SC Ig60® Infuser
SC Ig60	SC Ig60® Infusion System
SUB-Q Set	Subcutaneous Administration Set
VersaRate	VersaRate® Variable rate flow controller accessory
VersaRate Plus	VersaRate® Plus Variable rate flow controller accessory

User Manual (International)

Symbols

EMED Symbol Glossary can be found at the following website: <https://www.emedtc.com/support>

The following symbols may be found on the SC Ig60 Infusion System labeling and packaging materials:

Symbol	Definition	Symbol	Definition
	Caution		Manufacturer
	Refer to instruction manual/booklet		EC Representative
	Medical Device		CE Mark
	To sale by or on the order of a physician.		Importer
	Do not re-use		Reference number
	Don't use if package is damaged		Serial number
	Sterilized by Ethylene Oxide		Manufacturing date
	Single sterile barrier system with protective packaging outside		Country of Manufacture
	This product is not made with latex		Batch number
	Is not made with di(2-ethylhexyl) phthalate (DEHP)		Expiration date
	Non-pyrogenic		Quantity
	Fluid Path		Length
	Storage temperature limits		Approximate priming volume
	MR Unsafe		Single patient, multiple use

SC Ig60® Infusion System

Introduction

The EMED SC Ig60® Infusion System consists of the SC Ig60 Infuser and carrying case, a flow rate controller (Infuset® fixed rate flow control extension set, VersaRate® variable flow rate controller, or VersaRate Plus® variable flow rate controller), and a subcutaneous patient administration set. The SC Ig60 Infusion System provides a portable and effective way to subcutaneously infuse prescribed fluids.

Description

The SC Ig60 Infuser is a reusable mechanical infusion pump that does not require batteries or any electrical source. The pump utilizes a spring as a source of energy to continuously deliver fluids at controlled flow rates when used as a system with the following components:

Component	Model Information
Pump with Carrying Case	SC Ig60 Infuser (FP-0010002)
50 mL Syringe	BD 309653
Flow Controller	Infuset®, VersaRate®, or VersaRate® Plus (See table below)
Administration Set	SUB-Q, SAF-Q®, or OPTFlow®

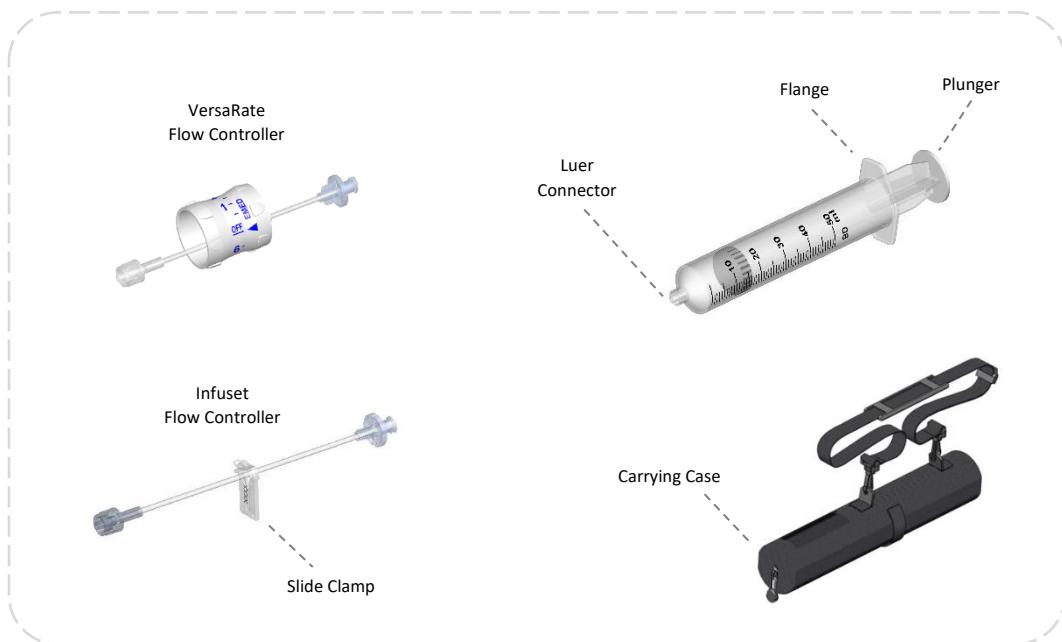
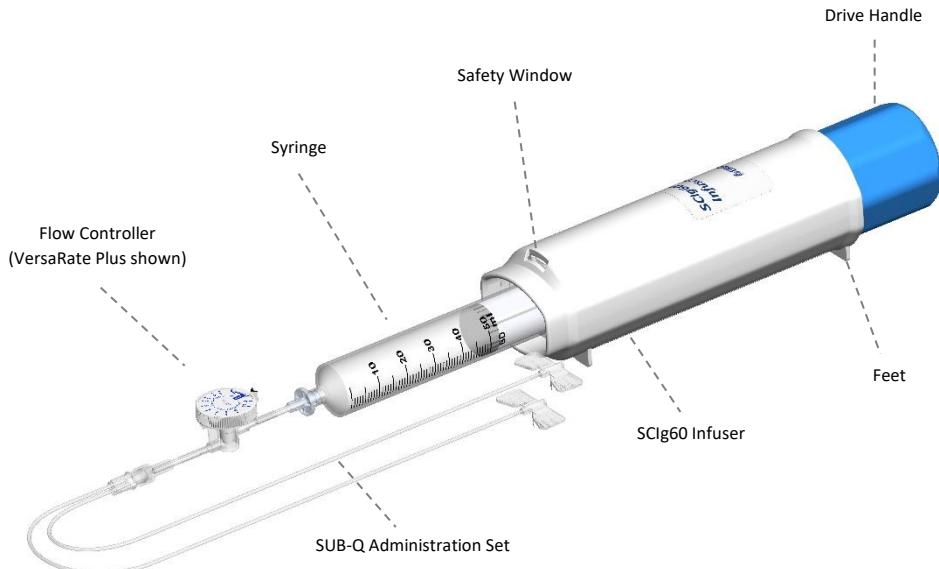
The syringe, flow controller and administration set are sold separately. The syringe component is not manufactured by EMED and is available for purchase from the manufacturer.

The flow controller accessory regulates the fluid flow rate into the SUB-Q set. The flow controller accessory should be selected based on the prescribing fluid's administration instructions, the viscosity of the prescribed fluid, the type of SUB-Q administration set being used, and patient factors. See section *System Flow Rate Performance* for additional information. The following flow controllers are recommended for use with the SC Ig60 Infuser System:

Description	Reorder Number
Infuset-45	FP-0010013
Infuset-80	FP-0010014
Infuset-120	FP-0010011
Infuset-190	FP-0010008
Infuset-290	FP-0010007
Infuset-430	FP-0010010
Infuset-650	FP-0010009
Infuset-820	FP-0010006
Infuset-930	FP-0010005
Infuset-1850	FP-0010004
Infuset-3200	FP-0010027
Infuset-4000	FP-0010028
Infuset-4300	FP-0010029
VersaRate	FP-0010003
VersaRate Plus	FP-0010026

User Manual (International)

System Diagram



SCIg60® Infusion System

Indications

The SCIg60 Infusion System is intended for use in the home or hospital environment for the subcutaneous infusion of immunoglobulin liquid medications with the BD 50 ml syringe (model no. 309653). The system is intended for single patient, multiple use only.

Contraindications

The SCIg60 Infusion System is not intended for delivery of whole blood or the infusion of insulin.

Administration of indicated immunoglobulin fluids is intended for subcutaneous infusion only. Infusion into other infusion sites, including blood vessels, should not be attempted.

Intended Population

The SCIg60 Infusion System is intended for adult or pediatric patients (2 years and older) that require subcutaneous infusion of fluid medication prescribed by a healthcare professional. The infusion system must be operated by an adult for use with pediatric patients.

Alarms

The SCIg60 Infuser is a mechanical infusion pump which does NOT have alarms or indicators.

Limitations

The principle of operation of the SCIg60 Infusion System is continuous infusion by applying a constant force to the syringe and regulating the fluid flow into the SUB-Q set using a flow controller. The system is passive and is therefore not able to compensate automatically for changes in environment or patient conditions. When using an Infuset flow controller, the rate is fixed and cannot be adjusted during infusion. When using a VersaRate flow controller, the rate can be adjusted manually if needed. For more information, reference the *Factors that Affect Flow Rate* and *Troubleshooting* sections.

The SCIg60 Infuser does not have any indications or alarms. The patient or healthcare professional must always monitor the infusion progress and determine when the infusion is complete by verifying the remaining volume in the syringe.

User Manual (International)

Warnings and Precautions



Warnings:

- Use the SC Ig60 Infusion System ONLY for its intended use and as prescribed by your healthcare professional.
- Read and follow all instructions for the SC Ig60 Infusion System and applicable components prior to use.
- Healthcare professionals and users should read the indicated immunoglobulin fluid's contraindications, instructions, and warnings prior to initiating delivery of fluid.
- Do NOT use SC Ig60 Infusion System while undergoing medical diagnostic procedures, such as MRI, X-ray, or CT scans.
- Use ONLY the listed administration sets, flow controllers and BD syringe (Model No. 309653) with the SC Ig60 Infusion System. Use of other infusion accessories may result in unsafe conditions for patient or deviation from desired infusion rates.
- Do NOT store indicated immunoglobulin fluid in the syringe prior to use. Prepare the SC Ig60 Infusion System and initiate therapy immediately after transferring indicated immunoglobulin fluids to the syringe.
- Use aseptic technique when handling fluid, syringe, flow controller, and subcutaneous administration set.
- Do NOT insert or remove the syringe until the DRIVE HANDLE is fully opened, as instructed in the Instructions for Use section.
- Do NOT use flow controller, administration set, or syringe components more than once, as reuse may result in infection, cross contamination, or altered flow rate performance. Do NOT attempt to re-sterilize components, doing so may cause serious personal injury.
- Do NOT open the Infuser or attempt to modify its function in any way other than its intended use.



Cautions:

- U.S. Federal law restricts this device to sale by or on the order of a physician.
- Place the SC Ig60 Infusion pump on a flat surface or in the provided carrying case during use. Syringe damage and fluid loss may occur if the SC Ig60 Infusion System is dropped while loaded.
- Do NOT continue to use an SC Ig60 Infuser that has been damaged, dropped, or if it has failed to perform as expected. If any damage is suspected, contact EMED Technologies.
- Do NOT subject the Infuser to autoclaving or other methods of sterilization. Avoid exposing the SC Ig60 pump or carrying case to temperatures outside of recommended range.
- Do NOT use multiple flow control accessories at one time (e.g., connecting one Infuset to another, connecting an Infuset to a VersaRate, etc.) because the flow rates provided in this manual are for a single Infuset or VersaRate only.

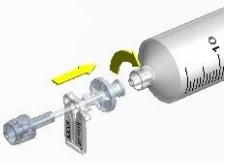
MRI Safety Information

The SC Ig60 Infusion System is MR Unsafe.

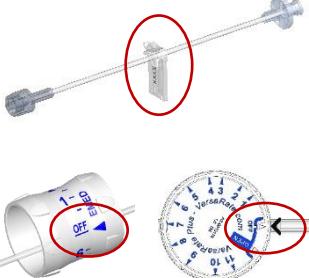
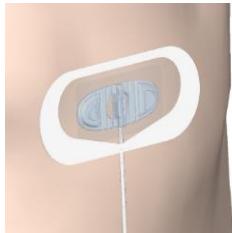
SCIg60® Infusion System

Instructions for Use

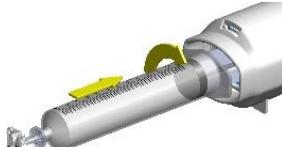
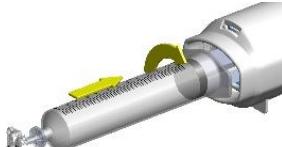
SCIg60 Infusion System IFU

Step	Instruction	Image
Prepare Infusion		
1	<p>WASH HANDS thoroughly and dry hands before handling any supplies. Wear gloves if you have been instructed to do so.</p> <p>WARNING: Use aseptic technique throughout procedure.</p>	
2	<p>REMOVE Flow controller, administration set and syringe from sterile packaging.</p> <p>WARNING: Read and follow all instructions for the components prior to use.</p>	
3	<p>TRANSFER indicated fluid from vial(s) to 50 ml syringe (BD model no. 309653) according to the package insert or as instructed by your healthcare professional. Immediately proceed to next step.</p> <p>WARNING: Do NOT store indicated immunoglobulin fluid in the syringe prior to use.</p>	
4	<p>CONNECT syringe male Luer lock (MLL) to Infuset or VersaRate female Luer lock (FLL).</p> <p>The “Luer Locks” are the connectors at each end of the various components that allow interconnection between the components.</p>	
5	<p>CONNECT Infuset or VersaRate male Luer lock (MLL) to specified patient administration set female Luer lock (FLL).</p>	

User Manual (International)

Step	Instruction	Image
6	<p>PRIME the tubing (i.e., pre-load with the prescribed fluid) by gently pushing on the syringe plunger to fill the tubing with fluid or as instructed by your healthcare professional.</p>	
7	<p>CLOSE flow control accessory.</p> <p>Use slide clamp provided with Infuset or select the 'OFF' position on the VersaRate or VersaRate Plus to prevent flow of fluid.</p>	
8	<p>PREPARE INJECTION SITES and INSERT NEEDLES according to the indicated medication package insert, specified administration set instructions, or as instructed by your healthcare professional.</p> <p>NOTE: If instructed by your healthcare professional, before starting the infusion but after the needles are inserted, gently pull back on the plunger to make sure no blood is flowing back into the tubing. If blood is present, remove and discard the needle and tubing.</p>	

Load Pump

9	<p>OPEN SC Ig60 Infuser drive by turning the blue handle counterclockwise until it stops.</p>	
10	<p>LOAD syringe into SC Ig60 Infuser by inserting the syringe plunger into the SC Ig60 Infuser.</p>	
11	<p>LOCK syringe into SC Ig60 Infuser by turning the syringe clockwise until it stops.</p>	

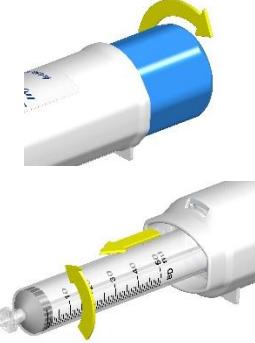
SCIg60® Infusion System

Step	Instruction	Image
12	VERIFY the syringe flange is visible in the safety window of SCIg60 Infuser to confirm the syringe is properly locked in place.	
13	CLOSE SCIg60 Infuser drive by rotating the handle clockwise until the base of the handle touches the body of the pump, as shown in the second image.	<p>CAUTION: DO NOT ATTEMPT to remove the syringe before performing STEP 16.</p>
14	PLACE the SCIg60 Infuser, Infuset, VersaRate or VersaRate Plus, and specified administration set on a stable, horizontal surface or use the Carrying Case Accessory (see Using the SCIg60 Infuser Carrying Case Accessory below for more details).	

Start Infusion

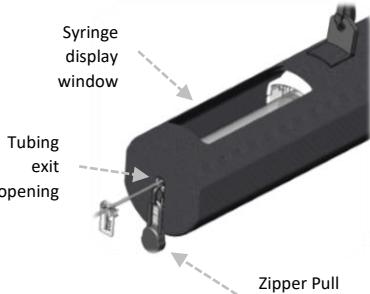
15	<p>When using Infuset:</p> <ol style="list-style-type: none"> To START infusion, USE SLIDE CLAMP (release the slide clamp so that it doesn't compress the tubing) once pump is fully loaded and needles are inserted and secured. MONITOR infusion by viewing the syringe volume. To STOP infusion, USE SLIDE CLAMP as necessary during infusion session or when session is complete. <p>When Using VersaRate or VersaRate Plus:</p> <ol style="list-style-type: none"> To START infusion, TURN dial to flow position as directed by your physician once pump is fully loaded and needles are inserted and secured. MONITOR infusion by viewing the syringe volume. To STOP infusion, TURN dial to 'OFF' position as necessary during infusion session or when session is complete. 	
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User Manual (International)

Step	Instruction	Image
Stop Infusion		
16	<p>When session is complete, to remove the syringe ROTATE the blue handle counterclockwise until it stops, THEN UNLOCK THE SYRINGE by turning it counterclockwise.</p> <p>NOTE: If the infusion protocol requires more than one syringe to be administered, repeat steps 3 – 16 in sequence. It is recommended to perform the infusions sequentially without a delay in time.</p>	
17	<p>DISPOSE of the syringe, Infuset or VersaRate, and SUB-Q set in an appropriate biohazard and/or sharps waste container according to your local regulations.</p> <p>WARNING: Read and follow all instructions for the components.</p>	
18	<p>CLOSE SC Ig60 Infuser drive by rotating the blue handle clockwise until the base of the handle touches the body of the pump. CLEAN and STORE SC Ig60 Infuser and Carrying Case for next use.</p>	
<p>NOTE:</p> <ul style="list-style-type: none"> Instructions for Use also appear on the underside of the Infuser. During infusion, an intermittent clicking sound may occur as the spring extends. This is normal. See <i>Troubleshooting</i> section for additional information. 		

SC Ig60® Infusion System

SC Ig60 Carrying Case IFU

Step	Instruction	Image
Insert		
1	Place the carrying case on a level surface to prevent dropping.	
2	Open pouch by pulling the zipper.	
3	After loading the syringe and closing the inner drive per step 13 above, insert SC Ig60 Infuser with syringe and flow controller into the pouch oriented with the syringe to show from the display window. The syringe should face away from the zipper pull, and the tubing should exit the Carrying Case through the small opening below the zipper.	
	CAUTION: Use caution not to drop the device.	
4	Close the pouch with the zipper	
	CAUTION: Use caution to prevent damage to the tubing.	
5	Use belt loop or shoulder strap to hold and carry the system on the body.	
Remove		
6	Place the Carrying Case containing the SC Ig60 system on a level surface to prevent dropping	
7	Open the pouch by pulling the zipper.	
8	Remove the SC Ig60 System from the pouch using caution not to drop the device.	
9	Close the Carrying Case zipper.	

User Manual (International)

Maintenance

The SC Ig60 Infuser and carrying case are reusable parts of the infusion system and do not require any maintenance or calibration. Periodic cleaning of external surfaces is recommended.

Cleaning the infuser:

- External surfaces of the SC Ig60 Infuser may be cleaned with 70% isopropyl alcohol wipes or a soft cloth dampened with a weak solution of mild detergent and warm water (approximately 1 part detergent to 50 parts water by volume).
- Clean exterior surfaces by gently pressing onto the SC Ig60 Infuser and using circular motions with the alcohol wipe or damp cloth.
- Use a clean, dry cloth to dry the exposed and external portions of the device.

CAUTION:

- Clean only those areas that are exposed when the SC Ig60 Infuser Drive Handle is completely screwed in. Do not attempt to clean any part of the SC Ig60 Infuser that is not easily accessible.
- Discontinue use of an SC Ig60 Infuser that has been internally exposed to or immersed in fluid.
- Do not use heating devices to dry or expose infuser to high temperatures. Damage to the infuser may occur.

Cleaning the carrying case:

Only clean surface with a clean damp cloth and let it air dry.

CAUTION:

Do not machine wash the carrying case as it could damage the materials.

Storage

Store the pump and carrying case in a cool, dry place between the temperature range of -5°C to +40°C (+23°F to +104°F).

CAUTION:

Avoid exposing the SC Ig60 Infuser or carrying case to temperatures outside of recommended range.

Disposal

The SC Ig60 Infuser and Carrying Case can be disposed of in general waste collection systems. Please ensure compliance with local regulations.

WARNING:

Do NOT open the Infuser or attempt to modify its function in any way other than as instructed.

The administration set, flow controller, and syringe are single use only and should be disposed of in an appropriate biohazard and/or sharps waste container according to local regulations.

WARNING:

Read and follow all instructions for the components.

SC Ig60® Infusion System

Specifications

SC Ig60 Infuser Length	26.0 cm (10.2 in.)																				
SC Ig60 Infuser Width	6.5 cm (2.6 in.)																				
SC Ig60 Infuser Weight	412 g (14.5 oz)																				
SC Ig60 Infuser Alarms	None																				
Syringe Volume	50 mL (BD model no. 309653)																				
Maximum Operating Pressure	1.16 bar (16.8 psi)																				
Average Operating Pressure	1.0 bar (14.4 psi)																				
Storage Temperature	-5°C – +40°C (23°F – 104°F)																				
Target Operating Temperature	20°C – 25°C (68°F – 77°F)																				
Total System Accuracy: Using Infuset and SUB-Q set	% Change from nominal flow rate: ±15%																				
Using VersaRate and SUB-Q set: @ Position ½ @ Position 1 @ Position 2 @ Position 3 @ Position 4 @ Position 5 @ Position 6	Up to ±33% Up to ±37% Up to ±26% Up to ±22% Up to ±15% Up to ±15% Up to ±15%																				
Using VersaRate Plus and SUB-Q set: @ Position 1-2 @ Position 3-5 @ Position 6-10 @ Position 11-OPEN	Up to ±41% Up to ±21% Up to ±20% Up to ±14%																				
Maximum Vertical Difference	±30.0 cm (±12 in.) Note: this is the vertical height of the SC Ig60 Infuser above or below the infusion site on the patient																				
Vertical Sensitivity: 30.5 cm (12 in.) above infusion site 30.5 cm (12 in.) below infusion site	% Change from nominal flow rate: Up to +6% Up to -4%																				
Residual Volume	System residual volume depends on the combination of component residuals: Syringe: ≈ 0.2 mL, Note: this is the amount of fluid that will not be infused. Flow Controller: ≈ 0.05 – 0.25 mL depending on model, SUB-Q set: ≈ 0.18 – 1.87 mL depending on model. See individual component instructions for specific residual values.																				
Useful Life	4200 uses																				
Representative Flow Profile	<p>*The figure shows the Total Flow Rate vs. Infused Volume at 20°C – 25°C under laboratory conditions achieved with SUB-320 (3-needle, 27G 9-mm set) and FP-001008 (Infuset-190). Although realized flow rates are determined by the combination of Infuset and SUB-Q set used, the shape of the flow rate profile remains the same due to the design and principle of action of the SC Ig60 Infusion System.</p> <table border="1"> <caption>Data points estimated from the Representative Flow Profile graph</caption> <thead> <tr> <th>Volume (mL)</th> <th>Flow Rate (mL/h)</th> </tr> </thead> <tbody> <tr><td>0</td><td>0</td></tr> <tr><td>2</td><td>9.5</td></tr> <tr><td>5</td><td>9.8</td></tr> <tr><td>10</td><td>10.0</td></tr> <tr><td>20</td><td>9.8</td></tr> <tr><td>30</td><td>9.7</td></tr> <tr><td>40</td><td>9.6</td></tr> <tr><td>50</td><td>9.5</td></tr> <tr><td>60</td><td>9.4</td></tr> </tbody> </table>	Volume (mL)	Flow Rate (mL/h)	0	0	2	9.5	5	9.8	10	10.0	20	9.8	30	9.7	40	9.6	50	9.5	60	9.4
Volume (mL)	Flow Rate (mL/h)																				
0	0																				
2	9.5																				
5	9.8																				
10	10.0																				
20	9.8																				
30	9.7																				
40	9.6																				
50	9.5																				
60	9.4																				

User Manual (International)

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Factors that Affect Flow Rate

System flow rate can be affected by various environmental factors, patient factors, and infusion equipment used. The following table shows some of the factors that influence the flow rate. The compounded effect of these variables should be considered during use of the SCIG60 Infuser and selection of the appropriate Infuset or VersaRate accessories.

Factors That Affect Flow Rate:		
LARGE EFFECT	Ambient and Fluid Temperatures	<p>Temperature of the fluid has a significant effect on drug viscosity, and therefore has a significant effect on flow rate. Ambient temperature may affect the fluid temperature depending on the amount of time the fluid is in the ambient environment.</p> <p>The system flow rate will change approximately 1 to 1.5% for each degree Fahrenheit temperature change of the fluid, with higher temperatures resulting in faster flow rates.</p> <p>Optimal operating temperature is between 20°C – 25°C (68°F – 77°F).</p>
	Viscosity of Fluid	Differences in fluid viscosity significantly affect the system flow rate for a given system configuration. Various flow control accessories and SUB-Q set combinations are available to achieve flow rates according to specific clinical requirements.
MODERATE EFFECT	Administration Sets and Needle Gauge	<p>The effect of the administration set and needle size is to change the dimensions of the fluid path. SCIG60 Infusion System is designed to work with a wide range of administration sets and needle gauges from 18 to 29G.</p> <p>Appropriate administration set and needle gauge should be selected for specific clinical requirements, then the appropriate flow controller settings (with VersaRate or VersaRate Plus) should be selected to achieve the desired flow rate.</p>
	Patient Factors	<ul style="list-style-type: none">• Tissue back pressure• Tissue absorption rate• Body Mass Index• Age• Health
SMALL EFFECT	Infuser Relative Height	Difference in relative height between the infuser and the patient has a minimal effect on flow rate.
	Atmospheric Pressure	Difference in atmospheric pressure has minimal effect on flow rate.

SC Ig60® Infusion System

How to determine approximate flow rate during infusion:

1. Record the starting volume and time.
2. Wait an appropriate amount of time for volume to infuse (Examples: 10 minutes or after 5 mL infused).
3. Record the elapsed volume in mL and elapsed time in minutes.
4. Calculate flow rate using the equation:

$$\text{Flow Rate [mL/h]} = \frac{\text{Volume [mL]}}{\text{Time [minutes]}} \times 60$$

How to determine per site flow rate:

$$\text{Flow Rate Per Site [mL/h/site]} = \frac{\text{Total Flow Rate [mL/h]}}{\text{Number of Needles}}$$

System Setup for Infusion Rates

See www.VersaRate.com for an electronic version of the following information.

In the following pages you will find tables that can be used to identify the combination of the EMED administration needle set and the Infuset flow control accessory or VersaRate position that will provide a flow rate that may accommodates the patient's need for infusion while falling within drug manufacturer's recommended prescribing limits. Flow rate information for use with the Infuset, VersaRate and VersaRate Plus are presented separately for each of the indicated immunoglobulin fluids that are to be used with the SC Ig60 Infusion System. It is the responsibility of the healthcare professional to determine a suitable system configuration flow rate based on the clinical requirements and the drug manufacturer's product labeling for your region.

The flow rate values presented in the following tables are based on bench testing of a single Infuset or a VersaRate at a single position and EMED SUB-Q patient administration sets. Testing was performed between 20°C – 25°C (68°F – 77°F) without including the effect of the patient. It is important to understand that flow rates of infused immunoglobulin fluids can be affected by multiple factors. See previous section *Factors that Affect Flow Rate* for additional information.

To choose a system combination, first find the correct table according to the drug type and flow controller model. Select the table row that contains the needle gauge, needles model, needle length, number of needle sites, and/or flow rate that best meets therapeutic needs and/or patient preferences.

Total flow rate values are presented in the following tables. Flow rate per site can be determined by dividing the total flow rate by the number of needle sites.

CAUTION: Using a combination of subcutaneous patient administration set and Infuset or VersaRate position not specified in the tables on the following pages may result in a flow rate outside of what has been approved for a specific immunoglobulin fluid.

NOTE: Please contact EMED Technologies at +1-916-932-0071 for additional information regarding selection of flow controllers with SUB-Q sets to obtain a desired flow rate.

User Manual (International)

Infusing Cutaquig (in Canada)

The tables below show system total flow rates without system tolerance or other factors that may affect flow rate. The table legend describes flow rate limits for Cutaquig applicable for international use only in Canada. Cells shaded in white may be suitable for initial and maintenance infusions. Values that are shaded in yellow may only be suitable for maintenance infusions. Flow rates that exceed the prescribing information limits are shaded red and are for informational purpose only. Cells shaded in gray do not have values listed because testing has not been performed. Please confirm the drug manufacturer's prescribing information for your region.

Table Legend:

	Suitable for initial and maintenance infusions (up to 20 mL/h/site or 30 mL/h total)
	Suitable for maintenance infusions only (up to 25 mL/h/site or 100 mL/h total)
	May exceed the prescribing information (Exceeds 25 mL/h/site or 100 mL/h total)
	No data available

Table 1		Drug					Flow Controller							
		Cutaquig					Infuset							
Values shaded in yellow are only suitable for maintenance infusions according to the drug's prescribing information. Values in red may exceed flow rate limits.														
SUB-Q Set				Total Flow Rate for ALL sites with Infuset Flow Controller (mL/h)										
Gauge	REF#	Length (mm)	# of Needles	Infuset-45	Infuset-80	Infuset-120	Infuset-190	Infuset-250	Infuset-430	Infuset-650	Infuset-820	Infuset-930	Infuset-1850	
26G	OPT12604	4	1		8	11	19	26	34	45		60		
	OPT12606	6	1		8	11	19	26	34	45		60		
	OPT12609	9	1		8	11	19	26	34	45		60		
	OPT12612	12	1		8	11	19	26	34	45		60		
	OPT12614	14	1		8	11	18	25	32	43		56		
	OPT22604	4	2				21	27	41	60		84		
	OPT22606	6	2				21	27	41	60		84		
	OPT22609	9	2				21	27	41	60		84		
	OPT22612	12	2				21	27	41	60		84		
	OPT22614	14	2				20	25	38	56		79		
	OPT32606	6	3					29	41	65		86		
	OPT32609	9	3					29	41	65		86		
	OPT32612	12	3					29	41	65		86		
	OPT32614	14	3					27	38	62		81		
	OPT42606	6	4					35	42	69		101		
	OPT42609	9	4					35	42	69		101		
	OPT42612	12	4					35	42	69		101		
	OPT42614	14	4					33	39	65		95		
	OPT52606	6	5						41	72		106	300	
	OPT52609	9	5						41	72		106	300	
	OPT52612	12	5						41	72		106	300	
	OPT62609	9	6						43	69		105	321	
	OPT62612	12	6						43	69		105	321	

SCIg60® Infusion System

Table 1		Drug				Flow Controller							
		Cutaquig				Infuset							
Values shaded in yellow are only suitable for maintenance infusions according to the drug's prescribing information. Values in red may exceed flow rate limits.													
SUB-Q Set			Total Flow Rate for ALL sites with Infuset Flow Controller (mL/h)										
Gauge	REF#	Length (mm)	# of Needles	Infuset-45	Infuset-80	Infuset-120	Infuset-190	Infuset-290	Infuset-430	Infuset-650	Infuset-820	Infuset-930	Infuset-1850
27G	SUB-104-G27	4	1				15	20	22	26			
	SUB-106-G27	6	1				15	19	21	25			
	SUB-109-G27	9	1				13	17	19	23			
	SUB-112-G27	12	1				12	16	18	21			
	SUB-204-G27	4	2				25	31	42				
	SUB-250	6	2				23	29	39				
	SUB-260	9	2				22	27	36				
	SUB-212-G27	12	2				20	24	33				
	SUB-310	6	3				26	35	51				
	SUB-320	9	3				24	32	47				
	SUB-312-G27	12	3				22	29	43				
	SUB-400	6	4				27	37	53				
	SUB-410	9	4				25	34	49				
	SUB-412-G27	12	4				22	31	45				
	SUB-414-G27	14	4				21	29	42				
	SUB-506	6	5				28	40	59				
	SUB-509	9	5				25	36	54				
	SUB-606	6	6				29	39	60				
	SUB-609	9	6				27	36	55				
	SAF-Q-106-G27	6	1				15	19	21	25			
	SAF-Q-109-G27	9	1				13	17	19	23			
	SAF-Q-112-G27	12	1				12	16	18	21			
	SAF-Q-206-G27	6	2				23	29	39				
	SAF-Q-209-G27	9	2				22	27	36				
	SAF-Q-212-G27	12	2				20	24	33				
	SAF-Q-306-G27	6	3				26	35	51				
	SAF-Q-309-G27	9	3				24	32	47				
	SAF-Q-312-G27	12	3				22	29	43				
	SAF-Q-406-G27	6	4				27	37	53				
	SAF-Q-409-G27	9	4				25	34	49				
	SAF-Q-412-G27	12	4				22	31	45				
	SAF-Q-509-G27	9	5				25	36	54				
	SAF-Q-609-G27	9	6				27	36	55				

User Manual (International)

Table 2		Drug			Flow Controller				
		Cutaquig			VersaRate				
Values shaded in yellow are only suitable for maintenance infusions according to the drug's prescribing information. Values in red may exceed flow rate limits.									
SUB-Q Set				Total Flow Rate for ALL sites with VersaRate Flow Controller (mL/h)					
Gauge	REF#	Length (mm)	# of Needles	1	2	3	4	5	6
27G	SUB-104-G27	4	1	16	23	28			36
	SUB-106-G27	6	1	15	22	27			34
	SUB-109-G27	9	1	14	20	24			31
	SUB-112-G27	12	1	13	19	22			29
	SUB-204-G27	4	2		34	43	55		78
	SUB-250	6	2		32	41	53		74
	SUB-260	9	2		30	38	48		68
	SUB-212-G27	12	2		27	34	44		62
	SUB-310	6	3	23		52	72	89	103
	SUB-320	9	3	21		48	66	82	95
	SUB-312-G27	12	3	19		43	60	74	86
	SUB-400	6	4	24		60	89	115	154
	SUB-410	9	4	22		55	81	105	141
	SUB-412-G27	12	4	20		50	74	96	128
	SUB-414-G27	14	4	19		47	69	89	120
	SUB-506	6	5	26		68	94	138	187
	SUB-509	9	5	24		62	86	127	172
	SUB-606	6	6		47		102		227
	SUB-609	9	6		43		94		208
	SAF-Q-106-G27	6	1	15	22	27			34
	SAF-Q-109-G27	9	1	14	20	24			31
	SAF-Q-112-G27	12	1	13	19	22			29
	SAF-Q-206-G27	6	2		32	41	53		74
	SAF-Q-209-G27	9	2		30	38	48		68
	SAF-Q-212-G27	12	2		27	34	44		62
	SAF-Q-306-G27	6	3	23		52	72	89	103
	SAF-Q-309-G27	9	3	21		48	66	82	95
	SAF-Q-312-G27	12	3	19		43	60	74	86
	SAF-Q-406-G27	6	4	24		60	89	115	154
	SAF-Q-409-G27	9	4	22		55	81	105	141
	SAF-Q-412-G27	12	4	20		50	74	96	128
	SAF-Q-509-G27	9	5	24		62	86	127	172
	SAF-Q-609-G27	9	6		43		94		208

SCIg60® Infusion System

Table 3			Drug						Flow Controller											
			Cutaquig						VersaRate Plus											
Values shaded in yellow are only suitable for maintenance infusions according to the drug's prescribing information. Values in red may exceed flow rate limits.																				
SUB-Q Set				Total Flow Rate for ALL sites with VersaRate Plus Flow Controller (mL/h)																
Gauge	REF#	Length (mm)	# of Needles	1	2	3	4	5	6	7	8	9	10	11	OPEN					
27G	SUB-104-G27	4	1			30	31	31	32	32	33	33	34	34	36					
	SUB-106-G27	6	1			29	29	30	30	31	31	32	32	32	34					
	SUB-109-G27	9	1			26	27	27	28	28	29	29	29	30	31					
	SUB-112-G27	12	1			24	24	25	25	26	26	26	27	27	28					
	SUB-204-G27	4	2			45	49	58	66	69	70	71	71	71	73					
	SUB-250	6	2			43	46	55	62	66	67	67	67	67	70					
	SUB-260	9	2			39	42	50	57	60	61	62	62	62	64					
	SUB-212-G27	12	2			36	39	46	52	55	56	56	56	56	58					
	SUB-310	6	3			66	75	82	88	93	97	101	105	108	116					
	SUB-320	9	3			60	68	75	80	85	89	93	96	99	107					
	SUB-312-G27	12	3			55	62	68	73	77	81	84	88	90	97					
	SUB-400	6	4			73	85	97	107	116	122	127	131	133	145					
	SUB-410	9	4			67	78	89	99	106	112	116	120	122	133					
	SUB-412-G27	12	4			61	71	81	90	97	102	106	109	111	121					
	SUB-414-G27	14	4			57	67	76	84	90	95	99	102	104	113					
	SUB-506	6	5			74	101	118	130	139	146	152	156	160	174					
	SUB-509	9	5			68	93	109	120	128	134	139	143	147	160					
	SUB-606	6	6			87	118	139	155	168	178	187	194	200	224					
	SUB-609	9	6			80	108	128	142	154	163	171	178	184	206					
	SAF-Q-106-G27	6	1			29	29	30	30	31	31	32	32	32	34					
	SAF-Q-109-G27	9	1			26	27	27	28	28	29	29	29	30	31					
	SAF-Q-112-G27	12	1			24	24	25	25	26	26	26	27	27	28					
	SAF-Q-206-G27	6	2			43	46	55	62	66	67	67	67	67	70					
	SAF-Q-209-G27	9	2			39	42	50	57	60	61	62	62	62	64					
	SAF-Q-212-G27	12	2			36	39	46	52	55	56	56	56	56	58					
	SAF-Q-306-G27	6	3			66	75	82	88	93	97	101	105	108	116					
	SAF-Q-309-G27	9	3			60	68	75	80	85	89	93	96	99	107					
	SAF-Q-312-G27	12	3			55	62	68	73	77	81	84	88	90	97					
	SAF-Q-406-G27	6	4			73	85	97	107	116	122	127	131	133	145					
	SAF-Q-409-G27	9	4			67	78	89	99	106	112	116	120	122	133					
	SAF-Q-412-G27	12	4			61	71	81	90	97	102	106	109	111	121					
	SAF-Q-509-G27	9	5			68	93	109	120	128	134	139	143	147	160					
	SAF-Q-609-G27	9	6			80	108	128	142	154	163	171	178	184	206					

User Manual (International)

Infusing Cutaquig (International Use, Excluding Canada)

The tables below show system total flow rates without system tolerance or other factors that may affect flow rate. The table legend describes flow rate limits for Cutaquig applicable for international use (excluding Canada). Cells shaded in white may be suitable for initial and maintenance infusions. Values that are shaded in yellow may only be suitable for maintenance infusions. Flow rates that exceed the prescribing information limits are shaded red and are for informational purpose only. Cells shaded in gray do not have values listed because testing has not been performed. Please confirm the drug manufacturer's prescribing information for your region.

Table Legend:

	Suitable for initial and maintenance infusions (up to 15 mL/h/site for all body weight groups)
	Suitable for maintenance infusions only (Under 40 kg (88 lb) body weight: up to 25 mL/h/site; 40 kg (88 lb) and greater: up to 67.5 mL/h/site)
	May exceed the prescribing information (Exceeds 25 mL/h/site for under 40kg body weight, or exceeds 67.5 mL/h/site for 40kg and greater body weight)
	No data available

Table 4a		Drug			Patient Information								Flow Controller							
		Cutaquig			Patients under 40 kg (88 lb)								Infuset							
Values shaded in yellow are only suitable for maintenance infusions according to the drug's prescribing information. Values in red may exceed flow rate limits.																				
SUB-Q Set										Total Flow Rate for ALL sites with Infuset Flow Controller (mL/h)										
Gauge	REF#	Length (mm)	# of Needles	Infuset-45	Infuset-80	Infuset-120	Infuset-190	Infuset-290	Infuset-430	Infuset-650	Infuset-820	Infuset-930	Infuset-1850	Infuset-3200	Infuset-4000	Infuset-4300				
26G	OPT12604	4	1		8	11	19	26	34	45		60								
	OPT12606	6	1		8	11	19	26	34	45		60								
	OPT12609	9	1		8	11	19	26	34	45		60								
	OPT12612	12	1		8	11	19	26	34	45		60								
	OPT12614	14	1		8	11	18	25	32	43		56								
	OPT22604	4	2				21	27	41	60		84								
	OPT22606	6	2				21	27	41	60		84								
	OPT22609	9	2				21	27	41	60		84								
	OPT22612	12	2				21	27	41	60		84								
	OPT22614	14	2				20	25	38	56		79								
	OPT32606	6	3					29	41	65		86								
	OPT32609	9	3					29	41	65		86								
	OPT32612	12	3					29	41	65		86								
	OPT32614	14	3					27	38	62		81								
	OPT42606	6	4					35	42	69		101								
	OPT42609	9	4					35	42	69		101								
	OPT42612	12	4					35	42	69		101								
	OPT42614	14	4					33	39	65		95								
	OPT52606	6	5						41	72		106	300							
	OPT52609	9	5						41	72		106	300							

SCIg60® Infusion System

Table 4a		Drug		Patient Information								Flow Controller									
		Cutaquig		Patients under 40 kg (88 lb)								Infuset									
Values shaded in yellow are only suitable for maintenance infusions according to the drug's prescribing information. Values in red may exceed flow rate limits.																					
SUB-Q Set				Total Flow Rate for ALL sites with Infuset Flow Controller (mL/h)																	
Gauge	REF#	Length (mm)	# of Needles	Infuset-45	Infuset-80	Infuset-120	Infuset-190	Infuset-290	Infuset-430	Infuset-650	Infuset-820	Infuset-930	Infuset-1850	Infuset-3200	Infuset-4000	Infuset-4300					
27G	OPT52612	12	5						41	72		106	300								
	OPT62609	9	6						43	69		105	321								
	OPT62612	12	6						43	69		105	321								
	SUB-104-G27	4	1			15	20	22	26												
	SUB-106-G27	6	1				15	19	21	25											
	SUB-109-G27	9	1				13	17	19	23											
	SUB-112-G27	12	1				12	16	18	21											
	SUB-204-G27	4	2					25	31	42											
	SUB-250	6	2					23	29	39											
	SUB-260	9	2					22	27	36											
	SUB-212-G27	12	2					20	24	33											
	SUB-310	6	3					26	35	51											
	SUB-320	9	3					24	32	47											
	SUB-312-G27	12	3					22	29	43											
	SUB-400	6	4					27	37	53											
	SUB-410	9	4					25	34	49											
	SUB-412-G27	12	4					22	31	45											
	SUB-414-G27	14	4					21	29	42											
	SUB-506	6	5					28	40	59											
	SUB-509	9	5					25	36	54											
	SUB-606	6	6					29	39	60											
	SUB-609	9	6					27	36	55											
	SAF-Q-106-G27	6	1			15	19	21	25												
	SAF-Q-109-G27	9	1				13	17	19	23											
	SAF-Q-112-G27	12	1				12	16	18	21											
	SAF-Q-206-G27	6	2					23	29	39											
	SAF-Q-209-G27	9	2					22	27	36											
	SAF-Q-212-G27	12	2					20	24	33											
	SAF-Q-306-G27	6	3					26	35	51											
	SAF-Q-309-G27	9	3					24	32	47											
	SAF-Q-312-G27	12	3					22	29	43											
	SAF-Q-406-G27	6	4					27	37	53											
	SAF-Q-409-G27	9	4					25	34	49											
	SAF-Q-412-G27	12	4					22	31	45											
	SAF-Q-509-G27	9	5					25	36	54											
	SAF-Q-609-G27	9	6					27	36	55											

User Manual (International)

Table 4b		Drug		Patient Information								Flow Controller							
		Cutaquig	Patients 40 kg (88 lb) and over								Infuset								
Values shaded in yellow are only suitable for maintenance infusions according to the drug's prescribing information. Values in red may exceed flow rate limits.																			
SUB-Q Set				Total Flow Rate for ALL sites with Infuset Flow Controller (mL/h)															
Gauge	REF#	Length (mm)	# of Needles	Infuset-45	Infuset-80	Infuset-120	Infuset-190	Infuset-250	Infuset-340	Infuset-650	Infuset-820	Infuset-930	Infuset-1850	Infuset-3200	Infuset-4000	Infuset-4300			
26G	OPT12604	4	1		8	11	19	26	34	45		60							
	OPT12606	6	1		8	11	19	26	34	45		60							
	OPT12609	9	1		8	11	19	26	34	45		60							
	OPT12612	12	1		8	11	19	26	34	45		60							
	OPT12614	14	1		8	11	18	25	32	43		56							
	OPT22604	4	2				21	27	41	60		84							
	OPT22606	6	2				21	27	41	60		84							
	OPT22609	9	2				21	27	41	60		84							
	OPT22612	12	2				21	27	41	60		84							
	OPT22614	14	2				20	25	38	56		79							
	OPT32606	6	3					29	41	65		86							
	OPT32609	9	3					29	41	65		86							
	OPT32612	12	3					29	41	65		86							
	OPT32614	14	3					27	38	62		81							
	OPT42606	6	4					35	42	69		101							
	OPT42609	9	4					35	42	69		101							
	OPT42612	12	4					35	42	69		101							
	OPT42614	14	4					33	39	65		95							
	OPT52606	6	5						41	72		106	300						
	OPT52609	9	5						41	72		106	300						
	OPT52612	12	5						41	72		106	300						
	OPT62609	9	6						43	69		105	321						
	OPT62612	12	6						43	69		105	321						
27G	SUB-104-G27	4	1				15	20	22	26									
	SUB-106-G27	6	1				15	19	21	25									
	SUB-109-G27	9	1				13	17	19	23									
	SUB-112-G27	12	1				12	16	18	21									
	SUB-204-G27	4	2					25	31	42									
	SUB-250	6	2					23	29	39									
	SUB-260	9	2					22	27	36									
	SUB-212-G27	12	2					20	24	33									
	SUB-310	6	3						26	35	51								
	SUB-320	9	3						24	32	47								
	SUB-312-G27	12	3						22	29	43								
	SUB-400	6	4						27	37	53								
	SUB-410	9	4						25	34	49								
	SUB-412-G27	12	4						22	31	45								
	SUB-414-G27	14	4						21	29	42								

SCIg60® Infusion System

Table 4b		Drug		Patient Information								Flow Controller							
		Cutaquig	Patients 40 kg (88 lb) and over								Infuset								
Values shaded in yellow are only suitable for maintenance infusions according to the drug's prescribing information. Values in red may exceed flow rate limits.																			
SUB-Q Set				Total Flow Rate for ALL sites with Infuset Flow Controller (mL/h)															
Gauge	REF#	Length (mm)	# of Needles	Infuset-45	Infuset-80	Infuset-120	Infuset-190	Infuset-250	Infuset-340	Infuset-650	Infuset-820	Infuset-930	Infuset-1850	Infuset-3200	Infuset-4000	Infuset-4300			
	SUB-506	6	5					28	40	59									
	SUB-509	9	5					25	36	54									
	SUB-606	6	6					29	39	60									
	SUB-609	9	6					27	36	55									
	SAF-Q-106-G27	6	1				15	19	21	25									
	SAF-Q-109-G27	9	1				13	17	19	23									
	SAF-Q-112-G27	12	1				12	16	18	21									
	SAF-Q-206-G27	6	2				23	29	39										
	SAF-Q-209-G27	9	2				22	27	36										
	SAF-Q-212-G27	12	2				20	24	33										
	SAF-Q-306-G27	6	3				26	35	51										
	SAF-Q-309-G27	9	3				24	32	47										
	SAF-Q-312-G27	12	3				22	29	43										
	SAF-Q-406-G27	6	4				27	37	53										
	SAF-Q-409-G27	9	4				25	34	49										
	SAF-Q-412-G27	12	4				22	31	45										
	SAF-Q-509-G27	9	5				25	36	54										
	SAF-Q-609-G27	9	6				27	36	55										

Table 5a		Drug		Patient Information						Flow Controller							
		Cutaquig	Patients under 40 kg (88 lb)						VersaRate								
Values shaded in yellow are only suitable for maintenance infusions according to the drug's prescribing information. Values in red may exceed flow rate limits.																	
SUB-Q Set				Total Flow Rate for ALL sites with VersaRate Flow Controller (mL/h)													
Gauge	REF#	Length (mm)	# of Needles	1	2	3	4	5	6								
27G	SUB-104-G27	4	1	16	23	28							36				
	SUB-106-G27	6	1	15	22	27							34				
	SUB-109-G27	9	1	14	20	24							31				
	SUB-112-G27	12	1	13	19	22							29				
	SUB-204-G27	4	2		34	43	55						78				
	SUB-250	6	2		32	41	53						74				
	SUB-260	9	2		30	38	48						68				

User Manual (International)

Table 5a		Drug		Patient Information				Flow Controller					
		Cutaquig		Patients under 40 kg (88 lb)				VersaRate					
Values shaded in yellow are only suitable for maintenance infusions according to the drug's prescribing information. Values in red may exceed flow rate limits.													
SUB-Q Set				Total Flow Rate for ALL sites with VersaRate Flow Controller (mL/h)									
Gauge	REF#	Length (mm)	# of Needles	1	2	3	4	5	6				
SUB-212-G27 SUB-310 SUB-320 SUB-312-G27 SUB-400 SUB-410 SUB-412-G27 SUB-414-G27 SUB-506 SUB-509 SUB-606 SUB-609 SAF-Q-106-G27 SAF-Q-109-G27 SAF-Q-112-G27 SAF-Q-206-G27 SAF-Q-209-G27 SAF-Q-212-G27 SAF-Q-306-G27 SAF-Q-309-G27 SAF-Q-312-G27 SAF-Q-406-G27 SAF-Q-409-G27 SAF-Q-412-G27 SAF-Q-509-G27 SAF-Q-609-G27	12	2		27	34	44			62				
	6	3	23		52	72	89	103					
	9	3	21		48	66	82	95					
	12	3	19		43	60	74	86					
	6	4	24		60	89	115	154					
	9	4	22		55	81	105	141					
	12	4	20		50	74	96	128					
	14	4	19		47	69	89	120					
	6	5	26		68	94	138	187					
	9	5	24		62	86	127	172					
	6	6		47		102			227				
	9	6		43		94			208				
	6	1	15	22	27				34				
	9	1	14	20	24				31				
	12	1	13	19	22				29				
	6	2		32	41	53			74				
	9	2		30	38	48			68				
	12	2		27	34	44			62				
	6	3	23		52	72	89	103					
	9	3	21		48	66	82	95					
	12	3	19		43	60	74	86					
	6	4	24		60	89	115	154					
	9	4	22		55	81	105	141					
	12	4	20		50	74	96	128					
	9	5	24		62	86	127	172					
	9	6		43		94			208				

SCIg60® Infusion System

Table 5b		Drug		Patient Information				Flow Controller					
		Cutaquig		Patients 40 kg (88 lb) and over				VersaRate					
Values shaded in yellow are only suitable for maintenance infusions according to the drug's prescribing information. Values in red may exceed flow rate limits.													
SUB-Q Set				Total Flow Rate for ALL sites with VersaRate Flow Controller (mL/h)									
Gauge	REF#	Length (mm)	# of Needles	1	2	3	4	5	6				
27G	SUB-104-G27	4	1	16	23	28			36				
	SUB-106-G27	6	1	15	22	27			34				
	SUB-109-G27	9	1	14	20	24			31				
	SUB-112-G27	12	1	13	19	22			29				
	SUB-204-G27	4	2		34	43	55		78				
	SUB-250	6	2		32	41	53		74				
	SUB-260	9	2		30	38	48		68				
	SUB-212-G27	12	2		27	34	44		62				
	SUB-310	6	3	23		52	72	89	103				
	SUB-320	9	3	21		48	66	82	95				
	SUB-312-G27	12	3	19		43	60	74	86				
	SUB-400	6	4	24		60	89	115	154				
	SUB-410	9	4	22		55	81	105	141				
	SUB-412-G27	12	4	20		50	74	96	128				
	SUB-414-G27	14	4	19		47	69	89	120				
	SUB-506	6	5	26		68	94	138	187				
	SUB-509	9	5	24		62	86	127	172				
	SUB-606	6	6		47		102		227				
	SUB-609	9	6		43		94		208				
	SAF-Q-106-G27	6	1	15	22	27			34				
	SAF-Q-109-G27	9	1	14	20	24			31				
	SAF-Q-112-G27	12	1	13	19	22			29				
	SAF-Q-206-G27	6	2		32	41	53		74				
	SAF-Q-209-G27	9	2		30	38	48		68				
	SAF-Q-212-G27	12	2		27	34	44		62				
	SAF-Q-306-G27	6	3	23		52	72	89	103				
	SAF-Q-309-G27	9	3	21		48	66	82	95				
	SAF-Q-312-G27	12	3	19		43	60	74	86				
	SAF-Q-406-G27	6	4	24		60	89	115	154				
	SAF-Q-409-G27	9	4	22		55	81	105	141				
	SAF-Q-412-G27	12	4	20		50	74	96	128				
	SAF-Q-509-G27	9	5	24		62	86	127	172				
	SAF-Q-609-G27	9	6		43		94		208				

User Manual (International)

Table 6a		Drug		Patient Information							Flow Controller							
		Cutaquig		Patients under 40 kg (88 lb)							VersaRate Plus							
Values shaded in yellow are only suitable for maintenance infusions according to the drug's prescribing information. Values in red may exceed flow rate limits.																		
SUB-Q Set				Total Flow Rate for ALL sites with VersaRate Plus Flow Controller (mL/h)														
Gauge	REF#	Length (mm)	# of Needles	1	2	3	4	5	6	7	8	9	10	11	OPEN			
27G	SUB-104-G27	4	1			30	31	31	32	32	33	33	34	34	36			
	SUB-106-G27	6	1			29	29	30	30	31	31	32	32	32	34			
	SUB-109-G27	9	1			26	27	27	28	28	29	29	29	30	31			
	SUB-112-G27	12	1			24	24	25	25	26	26	26	27	27	28			
	SUB-204-G27	4	2			45	49	58	66	69	70	71	71	71	73			
	SUB-250	6	2			43	46	55	62	66	67	67	67	67	70			
	SUB-260	9	2			39	42	50	57	60	61	62	62	62	64			
	SUB-212-G27	12	2			36	39	46	52	55	56	56	56	56	58			
	SUB-310	6	3			66	75	82	88	93	97	101	105	108	116			
	SUB-320	9	3			60	68	75	80	85	89	93	96	99	107			
	SUB-312-G27	12	3			55	62	68	73	77	81	84	88	90	97			
	SUB-400	6	4			73	85	97	107	116	122	127	131	133	145			
	SUB-410	9	4			67	78	89	99	106	112	116	120	122	133			
	SUB-412-G27	12	4			61	71	81	90	97	102	106	109	111	121			
	SUB-414-G27	14	4			57	67	76	84	90	95	99	102	104	113			
	SUB-506	6	5			74	101	118	130	139	146	152	156	160	174			
	SUB-509	9	5			68	93	109	120	128	134	139	143	147	160			
	SUB-606	6	6			87	118	139	155	168	178	187	194	200	224			
	SUB-609	9	6			80	108	128	142	154	163	171	178	184	206			
	SAF-Q-106-G27	6	1			29	29	30	30	31	31	32	32	32	34			
	SAF-Q-109-G27	9	1			26	27	27	28	28	29	29	30	31				
	SAF-Q-112-G27	12	1			24	24	25	25	26	26	26	27	27	28			
	SAF-Q-206-G27	6	2			43	46	55	62	66	67	67	67	67	70			
	SAF-Q-209-G27	9	2			39	42	50	57	60	61	62	62	62	64			
	SAF-Q-212-G27	12	2			36	39	46	52	55	56	56	56	56	58			
	SAF-Q-306-G27	6	3			66	75	82	88	93	97	101	105	108	116			
	SAF-Q-309-G27	9	3			60	68	75	80	85	89	93	96	99	107			
	SAF-Q-312-G27	12	3			55	62	68	73	77	81	84	88	90	97			
	SAF-Q-406-G27	6	4			73	85	97	107	116	122	127	131	133	145			
	SAF-Q-409-G27	9	4			67	78	89	99	106	112	116	120	122	133			
	SAF-Q-412-G27	12	4			61	71	81	90	97	102	106	109	111	121			
	SAF-Q-509-G27	9	5			68	93	109	120	128	134	139	143	147	160			
	SAF-Q-609-G27	9	6			80	108	128	142	154	163	171	178	184	206			

SCIg60® Infusion System

Table 6b		Drug		Patient Information									Flow Controller				
		Cutaquig		Patients 40 kg (88 lb) and over									VersaRate Plus				
Values shaded in yellow are only suitable for maintenance infusions according to the drug's prescribing information. Values in red may exceed flow rate limits.																	
SUB-Q Set				Total Flow Rate for ALL sites with VersaRate Plus Flow Controller (mL/h)													
Gauge	REF#	Length (mm)	# of Needles	1	2	3	4	5	6	7	8	9	10	11	OPEN		
27G	SUB-104-G27	4	1			30	31	31	32	32	33	33	34	34	36		
	SUB-106-G27	6	1			29	29	30	30	31	31	32	32	32	34		
	SUB-109-G27	9	1			26	27	27	28	28	29	29	29	30	31		
	SUB-112-G27	12	1			24	24	25	25	26	26	26	27	27	28		
	SUB-204-G27	4	2			45	49	58	66	69	70	71	71	71	73		
	SUB-250	6	2			43	46	55	62	66	67	67	67	67	70		
	SUB-260	9	2			39	42	50	57	60	61	62	62	62	64		
	SUB-212-G27	12	2			36	39	46	52	55	56	56	56	56	58		
	SUB-310	6	3			66	75	82	88	93	97	101	105	108	116		
	SUB-320	9	3			60	68	75	80	85	89	93	96	99	107		
	SUB-312-G27	12	3			55	62	68	73	77	81	84	88	90	97		
	SUB-400	6	4			73	85	97	107	116	122	127	131	133	145		
	SUB-410	9	4			67	78	89	99	106	112	116	120	122	133		
	SUB-412-G27	12	4			61	71	81	90	97	102	106	109	111	121		
	SUB-414-G27	14	4			57	67	76	84	90	95	99	102	104	113		
	SUB-506	6	5			74	101	118	130	139	146	152	156	160	174		
	SUB-509	9	5			68	93	109	120	128	134	139	143	147	160		
	SUB-606	6	6			87	118	139	155	168	178	187	194	200	224		
	SUB-609	9	6			80	108	128	142	154	163	171	178	184	206		
	SAF-Q-106-G27	6	1			29	29	30	30	31	31	32	32	32	34		
	SAF-Q-109-G27	9	1			26	27	27	28	28	29	29	29	30	31		
	SAF-Q-112-G27	12	1			24	24	25	25	26	26	26	27	27	28		
	SAF-Q-206-G27	6	2			43	46	55	62	66	67	67	67	67	70		
	SAF-Q-209-G27	9	2			39	42	50	57	60	61	62	62	62	64		
	SAF-Q-212-G27	12	2			36	39	46	52	55	56	56	56	56	58		
	SAF-Q-306-G27	6	3			66	75	82	88	93	97	101	105	108	116		
	SAF-Q-309-G27	9	3			60	68	75	80	85	89	93	96	99	107		
	SAF-Q-312-G27	12	3			55	62	68	73	77	81	84	88	90	97		
	SAF-Q-406-G27	6	4			73	85	97	107	116	122	127	131	133	145		
	SAF-Q-409-G27	9	4			67	78	89	99	106	112	116	120	122	133		
	SAF-Q-412-G27	12	4			61	71	81	90	97	102	106	109	111	121		
	SAF-Q-509-G27	9	5			68	93	109	120	128	134	139	143	147	160		
	SAF-Q-609-G27	9	6			80	108	128	142	154	163	171	178	184	206		

User Manual (International)

Infusing Cuvitru

The tables below show system total flow rates without system tolerance or other factors that may affect flow rate for infusing Cuvitru. Cells shaded in white may be suitable for initial and maintenance infusions. Values that are shaded in yellow may only be suitable for maintenance infusions. Flow rates that exceed the prescribing information limits are shaded red and are for informational purpose only. Cells shaded in gray do not have values listed because testing has not been performed. Please confirm the drug manufacturer's prescribing information for your region.

Table Legend:

	Suitable for initial and maintenance infusions (up to 20 mL/h/site or 80 mL/h total)
	Suitable for maintenance infusions only (up to 60 mL/h/site or 240 mL/h total)
	May exceed the prescribing information (Exceeds 60 mL/h/site or 240 mL/h total)
	No data available

Table 7

Cuvitru

Flow Controller

Infuset

Values shaded in yellow are only suitable for maintenance infusions according to the drug's prescribing information.

SUB-Q Set			Total Flow Rate for ALL sites with Infuset Flow Controller (mL/h)													
Gauge	REF#	Length (mm)	# of Needles	Infuset-45	Infuset-80	Infuset-120	Infuset-190	Infuset-290	Infuset-430	Infuset-650	Infuset-820	Infuset-930	Infuset-1850	Infuset-3200	Infuset-4000	Infuset-4300
24G	SUB-109-G24	9	1				11	14	17			31	55			
	SUB-112-G24	12	1				10	13	16			28	50			
	SUB-209-G24	9	2						20	32		42	94	111		
	SUB-212-G24	12	2						18	29		38	85	101		
	SUB-309-G24	9	3							35		45	118		176	
	SUB-312-G24	12	3							32		41	107		160	
	SUB-409-G24	9	4									49	145		237	
	SUB-412-G24	12	4									44	132		216	
	SAF-Q-106-G24	6	1				12	15	19			33	60			
	SAF-Q-109-G24	9	1				11	14	17			31	55			
26G	SAF-Q-309-G24	9	3							35		45	118		176	
	OPT12604	4	1						15	19	26	31	48			
	OPT12606	6	1						15	19	26	31	48			
	OPT12609	9	1						15	19	26	31	48			
	OPT12612	12	1						15	19	26	31	48			
	OPT12614	14	1						14	17	25	29	45			
	OPT22604	4	2							32		45	94	109		
	OPT22606	6	2							32		45	94	109		
	OPT22609	9	2							32		45	94	109		
	OPT22612	12	2							32		45	94	109		
	OPT22614	14	2							30		42	88	103		
	OPT32606	6	3									51	122	157		
	OPT32609	9	3									51	122	157		
	OPT32612	12	3									51	122	157		
	OPT32614	14	3									48	114	148		

SCIg60® Infusion System

Table 7		Drug				Flow Controller									
		Cuvitru				Infuset									
Values shaded in yellow are only suitable for maintenance infusions according to the drug's prescribing information.															
SUB-Q Set			Total Flow Rate for ALL sites with Infuset Flow Controller (mL/h)												
Gauge	REF#	Length (mm)	# of Needles	Infuset-45	Infuset-80	Infuset-120	Infuset-190	Infuset-290	Infuset-430	Infuset-650	Infuset-930	Infuset-1850	Infuset-3200	Infuset-4000	Infuset-4300
27G	OPT42606	6	4								52	146	194		
	OPT42609	9	4								52	146	194		
	OPT42612	12	4								52	146	194		
	OPT42614	14	4								49	137	183		
27G	SUB-104-G27	4	1	3	4										
	SUB-106-G27	6	1	3	4										
	SUB-109-G27	9	1	2	4										
	SUB-112-G27	12	1	2	3										
	SAF-Q-106-G27	6	1	3	4										
	SAF-Q-109-G27	9	1	2	4										
	SAF-Q-112-G27	12	1	2	3										

Table 8		Drug				Flow Controller					
		Cuvitru				VersaRate					
Values shaded in yellow are only suitable for maintenance infusions according to the drug's prescribing information. Values in red may exceed flow rate limits.											
SUB-Q Set			Total Flow Rate for ALL sites with VersaRate Flow Controller (mL/h)								
Gauge	REF#	Length (mm)	# of Needles	1	2	3	4	5	6		
24G	SUB-109-G24	9	1	11	17	26	35	47	60		
	SUB-112-G24	12	1	10	16	24	32	43	55		
	SUB-209-G24	9	2	11	20	33	50	87	125		
	SUB-212-G24	12	2	10	18	30	45	79	114		
	SUB-309-G24	9	3	11	21	35	58	107	211		
	SUB-312-G24	12	3	10	19	32	53	97	192		
	SUB-409-G24	9	4	12	23	37	65	141	296		
	SUB-412-G24	12	4	11	21	34	59	128	269		
	SAF-Q-106-G24	6	1	12	19	28	38	51	65		
	SAF-Q-109-G24	9	1	11	17	26	35	47	60		
26G	SAF-Q-309-G24	9	3	11	21	35	58	107	211		
	OPT12604	4	1	13	20	28	33	47	63		
	OPT12606	6	1	13	20	28	33	47	63		
	OPT12609	9	1	13	20	28	33	47	63		
	OPT12612	12	1	13	20	28	33	47	63		
26G	OPT12614	14	1	12	19	26	31	44	59		

User Manual (International)

Table 8			Drug				Flow Controller							
			Cuvitru				VersaRate							
Values shaded in yellow are only suitable for maintenance infusions according to the drug's prescribing information. Values in red may exceed flow rate limits.														
SUB-Q Set			Total Flow Rate for ALL sites with VersaRate Flow Controller (mL/h)											
OPT22604	4	2		24	38	54	83	124						
	6	2		24	38	54	83	124						
	9	2		24	38	54	83	124						
	12	2		24	38	54	83	124						
	14	2		23	35	51	78	116						
	6	3		41	65	106	180							
	9	3		41	65	106	180							
	12	3		41	65	106	180							
	14	3		39	61	100	169							
	6	4		43	70	119	255							
	9	4		43	70	119	255							
	12	4		43	70	119	255							
	14	4		40	66	112	240							

Table 9			Drug				Flow Controller								
			Cuvitru				VersaRate Plus								
Values shaded in yellow are only suitable for maintenance infusions according to the drug's prescribing information. Values in red may exceed flow rate limits.															
SUB-Q Set			Total Flow Rate for ALL sites with VersaRate Plus Flow Controller (mL/h)												
Gauge	REF#	Length (mm)	# of Needles	1	2	3	4	5	6	7	8	9	10	11	OPEN
24G	SUB-109-G24	9	1		17	31	41	48	52	55	55	55	55	55	61
	SUB-112-G24	12	1		16	29	38	44	48	50	50	50	50	50	55
	SUB-209-G24	9	2		21	50	72	88	98	105	109	111	114	117	130
	SUB-212-G24	12	2		19	46	66	80	90	95	99	101	103	106	119
	SUB-309-G24	9	3		25	61	89	113	131	145	155	162	167	170	200
	SUB-312-G24	12	3		23	55	81	103	119	132	141	147	152	155	182
	SUB-409-G24	9	4		29	59	92	126	158	187	211	228	237	235	283
	SUB-412-G24	12	4		26	54	84	114	144	170	192	208	215	213	258
	SAF-Q-106-G24	6	1		19	34	45	53	57	59	60	60	60	60	66
	SAF-Q-109-G24	9	1		17	31	41	48	52	55	55	55	55	55	61
	SAF-Q-309-G24	9	3		25	61	89	113	131	145	155	162	167	170	200
	OPT12604	4	1	9	20	34	43	48	52	53	55	55	56	56	63
26G	OPT12606	6	1	9	20	34	43	48	52	53	55	55	56	56	63
	OPT12609	9	1	9	20	34	43	48	52	53	55	55	56	56	63
	OPT12612	12	1	9	20	34	43	48	52	53	55	55	56	56	63
	OPT12614	14	1	9	19	32	40	45	48	50	51	52	53	53	59
	OPT22604	4	2		21	37	63	87	102	112	117	120	122	123	141
	OPT22606	6	2		21	37	63	87	102	112	117	120	122	123	141

SCIg60® Infusion System

Table 9			Drug					Flow Controller													
			Cuvitru					VersaRate Plus													
Values shaded in yellow are only suitable for maintenance infusions according to the drug's prescribing information. Values in red may exceed flow rate limits.																					
SUB-Q Set				Total Flow Rate for ALL sites with VersaRate Plus Flow Controller (mL/h)																	
Gauge	REF#	Length (mm)	# of Needles	1	2	3	4	5	6	7	8	9	10	11	OPEN						
27G	OPT22609	9	2	21	37	63	87	102	112	117	120	122	123	141							
	OPT22612	12	2	21	37	63	87	102	112	117	120	122	123	141							
	OPT22614	14	2	19	35	59	81	96	105	110	113	115	116	132							
	OPT32606	6	3	27	48	79	110	135	151	163	170	175	178	205							
	OPT32609	9	3	27	48	79	110	135	151	163	170	175	178	205							
	OPT32612	12	3	27	48	79	110	135	151	163	170	175	178	205							
	OPT32614	14	3	25	45	74	104	127	142	153	160	164	167	192							
	OPT42606	6	4		63	92	129	163	189	207	219	227	232	277							
	OPT42609	9	4		63	92	129	163	189	207	219	227	232	277							
	OPT42612	12	4		63	92	129	163	189	207	219	227	232	277							
	OPT42614	14	4		59	86	121	153	177	194	206	213	218	260							
27G	SUB-104-G27	4	1		15	17	18	19	20	20	20	21	21	21							
	SUB-106-G27	6	1		14	16	17	18	19	19	19	20	20	20							
	SUB-109-G27	9	1		13	15	16	16	17	17	18	18	18	18							
	SUB-112-G27	12	1		12	13	14	15	15	16	16	16	16	17							
	SUB-204-G27	4	2		29	34	37	40	41	42	43	44	45	47							
	SUB-250	6	2		27	32	35	38	39	40	41	42	42	45							
	SUB-260	9	2		25	30	33	34	36	37	38	38	39	41							
	SUB-212-G27	12	2		23	27	30	31	33	34	34	35	35	37							
	SUB-310	6	3		33	44	51	54	55	55	56	56	56	61							
	SUB-320	9	3		30	41	47	49	50	51	51	51	51	56							
	SUB-312-G27	12	3		27	37	42	45	46	46	46	47	47	51							
	SUB-400	6	4		45	58	69	76	80	83	84	85	86	93							
	SUB-410	9	4		41	53	63	70	74	76	77	78	79	85							
	SUB-412-G27	12	4		38	49	58	64	67	69	70	71	72	77							
	SUB-414-G27	14	4		35	45	54	59	63	65	66	67	67	72							
	SAF-Q-106-G27	6	1		14	16	17	18	19	19	19	20	20	20							
	SAF-Q-109-G27	9	1		13	15	16	16	17	17	18	18	18	18							
	SAF-Q-112-G27	12	1		12	13	14	15	15	16	16	16	16	17							
	SAF-Q-206-G27	6	2		27	32	35	38	39	40	41	42	42	45							
	SAF-Q-209-G27	9	2		25	30	33	34	36	37	38	38	39	41							
	SAF-Q-212-G27	12	2		23	27	30	31	33	34	34	35	35	37							
	SAF-Q-306-G27	6	3		33	44	51	54	55	55	56	56	56	61							
	SAF-Q-309-G27	9	3		30	41	47	49	50	51	51	51	51	56							
	SAF-Q-312-G27	12	3		27	37	42	45	46	46	46	47	47	51							
	SAF-Q-406-G27	6	4		45	58	69	76	80	83	84	85	86	93							
	SAF-Q-409-G27	9	4		41	53	63	70	74	76	77	78	79	85							
	SAF-Q-412-G27	12	4		38	49	58	64	67	69	70	71	72	77							

User Manual (International)

Infusing Gammagard or Kiovig

The tables below show system total flow rates without system tolerance or other factors that may affect flow rate for infusing Gammagard or Kiovig. Cells shaded in white may be suitable for initial and maintenance infusions. Values that are shaded in yellow may only be suitable for maintenance infusions. Flow rates that exceed the prescribing information limits are shaded red and are for informational purpose only. Cells shaded in gray do not have values listed because testing has not been performed. Please confirm the drug manufacturer's prescribing information for your region.

Table Legend:

	Suitable for initial and maintenance infusions (Under 40 kg (88 lb) body weight: up to 15 mL/h/site; 40 kg (88 lb) and greater: up to 20 mL/h/site)
	Suitable for maintenance infusions only (Under 40 kg (88 lb) body weight: up to 20 mL/h/site; 40 kg (88 lb) and greater: up to 30 mL/h/site)
	May exceed the prescribing information (Under 40 kg (88 lb) body weight: Exceeds 20 mL/h/site or 160mL/h total; 40 kg (88 lb) and greater body weight: Exceeds 30 mL/h/site or 240 ml/h total)
	No data available

Table 10a		Drug			Patient Information								Flow Controller			
		Gammagard/Kiovig			Patients <u>under</u> 40 kg (88 lb)								Infuset			
Values shaded in yellow are only suitable for maintenance infusions according to the drug's prescribing information.																
SUB-Q Set		Total flow rate for ALL sites with Infuset Flow Controller (mL/h)														
Gauge	REF#	Length (mm)	# of Needles	Infuset-45	Infuset-80	Infuset-120	Infuset-190	Infuset-290	Infuset-430	Infuset-650	Infuset-820	Infuset-930	Infuset-1850	Infuset-3200	Infuset-4000	Infuset-4300
24G	SUB-109-G24	9	1	15	24	27										
	SUB-112-G24	12	1	14	21	25										
	SUB-209-G24	9	2		25	29	61									
	SUB-212-G24	12	2		23	26	56									
	SUB-309-G24	9	3				57	97	137							
	SUB-312-G24	12	3				52	89	125							
	SUB-409-G24	9	4			29		94	141							
	SUB-412-G24	12	4			26		86	128							
	SUB-512-G24	12	5				63		133							
	SUB-612-G24	12	6					95		183						
	SAF-Q-106-G24	6	1	16	26	30										
	SAF-Q-109-G24	9	1	15	24	27										
	SAF-Q-309-G24	9	3				57	97	137							
26G	OPT12604	4	1	13	25											
	OPT12606	6	1	13	25											
	OPT12609	9	1	13	25											
	OPT12612	12	1	13	25											
	OPT12614	14	1	13	24											
	OPT22604	4	2	14	26	36	62									
	OPT22606	6	2	14	26	36	62									
	OPT22609	9	2	14	26	36	62									
	OPT22612	12	2	14	26	36	62									

SCIg60® Infusion System

Table 10a		Drug			Patient Information						Flow Controller								
		Gammagard/Kiovig			Patients under 40 kg (88 lb)						Infuset								
Values shaded in yellow are only suitable for maintenance infusions according to the drug's prescribing information.																			
SUB-Q Set				Total flow rate for ALL sites with Infuset Flow Controller (mL/h)															
Gauge	REF#	Length (mm)	# of Needles	Infuset-45	Infuset-80	Infuset-120	Infuset-190	Infuset-290	Infuset-430	Infuset-650	Infuset-820	Infuset-930	Infuset-1850	Infuset-3200	Infuset-4000	Infuset-4300			
27G	OPT22614	14	2	13	25	34	58												
	OPT32606	6	3			31	66	98											
	OPT32609	9	3			31	66	98											
	OPT32612	12	3			31	66	98											
	OPT32614	14	3			29	62	92											
	OPT42606	6	4			33	68	105											
	OPT42609	9	4			33	68	105											
	OPT42612	12	4			33	68	105											
	OPT42614	14	4			31	64	98											
	OPT52606	6	5			32	67	103	136										
	OPT52609	9	5			32	67	103	136										
	OPT52612	12	5			32	67	103	136										
	OPT62609	9	6				65	109	135	227									
	OPT62612	12	6				65	109	135	227									
27G	SUB-104-G27	4	1	15	23	25													
	SUB-106-G27	6	1	14	22	24													
	SUB-109-G27	9	1	13	20	22													
	SUB-112-G27	12	1	12	18	20													
	SUB-204-G27	4	2			28	55	73											
	SUB-250	6	2			27	52	69											
	SUB-260	9	2			25	47	63											
	SUB-212-G27	12	2			22	43	58											
	SUB-310	6	3				56	77	113										
	SUB-320	9	3				51	71	104										
	SUB-312-G27	12	3				47	64	95										
	SUB-400	6	4					87	123	165									
	SUB-410	9	4					80	113	151									
	SUB-412-G27	12	4					72	103	137									
	SUB-414-G27	14	4					68	96	128									
	SUB-506	6	5				62		132	174									
	SUB-509	9	5				57		121	160									
	SUB-606	6	6					96		182	228								
	SUB-609	9	6					88		167	209								
	SAF-Q-106-G27	6	1	14	22	24													
	SAF-Q-109-G27	9	1	13	20	22													
	SAF-Q-112-G27	12	1	12	18	20													
	SAF-Q-206-G27	6	2			27	52	69											
	SAF-Q-209-G27	9	2			25	47	63											
	SAF-Q-212-G27	12	2			22	43	58											

User Manual (International)

Table 10a		Drug			Patient Information						Flow Controller									
		Gammagard/Kiovig			Patients under 40 kg (88 lb)						Infuset									
Values shaded in yellow are only suitable for maintenance infusions according to the drug's prescribing information.																				
SUB-Q Set				Total flow rate for ALL sites with Infuset Flow Controller (mL/h)																
Gauge	REF#	Length (mm)	# of Needles	Infuset-45	Infuset-80	Infuset-120	Infuset-190	Infuset-290	Infuset-430	Infuset-650	Infuset-820	Infuset-930	Infuset-1850	Infuset-3200	Infuset-4000	Infuset-4300				
SAF-Q-306-G27 SAF-Q-309-G27 SAF-Q-312-G27 SAF-Q-406-G27 SAF-Q-409-G27 SAF-Q-412-G27 SAF-Q-509-G27 SAF-Q-609-G27	SAF-Q-306-G27	6	3				56	77	113											
	SAF-Q-309-G27	9	3				51	71	104											
	SAF-Q-312-G27	12	3				47	64	95											
	SAF-Q-406-G27	6	4					87	123	165										
	SAF-Q-409-G27	9	4					80	113	151										
	SAF-Q-412-G27	12	4					72	103	137										
	SAF-Q-509-G27	9	5				57		121	160										
	SAF-Q-609-G27	9	6					88		167	209									

Table 10b		Drug			Patient Information						Flow Controller									
		Gammagard/Kiovig			Patients 40 kg (88 lb) and over						Infuset									
Values shaded in yellow are only suitable for maintenance infusions according to the drug's prescribing information.																				
SUB-Q Set				Total flow rate for ALL sites with Infuset Flow Controller (mL/h)																
Gauge	REF#	Length (mm)	# of Needles	Infuset-45	Infuset-80	Infuset-120	Infuset-190	Infuset-290	Infuset-430	Infuset-650	Infuset-820	Infuset-930	Infuset-1850	Infuset-3200	Infuset-4000	Infuset-4300				
24G	SUB-109-G24	9	1	15	24	27														
	SUB-112-G24	12	1	14	21	25														
	SUB-209-G24	9	2		25	29	61													
	SUB-212-G24	12	2		23	26	56													
	SUB-309-G24	9	3			57	97	137												
	SUB-312-G24	12	3			52	89	125												
	SUB-409-G24	9	4			29		94	141											
	SUB-412-G24	12	4			26		86	128											
	SUB-512-G24	12	5				63		133											
	SUB-612-G24	12	6					95		183										
	SAF-Q-106-G24	6	1	16	26	30														
	SAF-Q-109-G24	9	1	15	24	27														
	SAF-Q-309-G24	9	3				57	97	137											
26G	OPT12604	4	1	13	25															
	OPT12606	6	1	13	25															
	OPT12609	9	1	13	25															
	OPT12612	12	1	13	25															
	OPT12614	14	1	13	24															
	OPT22604	4	2	14	26	36	62													

SCIg60® Infusion System

Table 10b		Drug			Patient Information							Flow Controller					
		Gammagard/Kiovig			Patients 40 kg (88 lb) and over							Infuset					
Values shaded in yellow are only suitable for maintenance infusions according to the drug's prescribing information.																	
SUB-Q Set					Total flow rate for ALL sites with Infuset Flow Controller (mL/h)												
Gauge	REF#	Length (mm)	# of Needles		Infuset-45	Infuset-80	Infuset-120	Infuset-190	Infuset-290	Infuset-430	Infuset-650	Infuset-820	Infuset-930	Infuset-1850	Infuset-3200	Infuset-4000	Infuset-4300
27G	OPT22606	6	2	14	26	36	62										
	OPT22609	9	2	14	26	36	62										
	OPT22612	12	2	14	26	36	62										
	OPT22614	14	2	13	25	34	58										
	OPT32606	6	3			31	66	98									
	OPT32609	9	3			31	66	98									
	OPT32612	12	3			31	66	98									
	OPT32614	14	3			29	62	92									
	OPT42606	6	4			33	68	105									
	OPT42609	9	4			33	68	105									
	OPT42612	12	4			33	68	105									
	OPT42614	14	4			31	64	98									
	OPT52606	6	5			32	67	103	136								
	OPT52609	9	5			32	67	103	136								
	OPT52612	12	5			32	67	103	136								
	OPT62609	9	6				65	109	135	227							
	OPT62612	12	6				65	109	135	227							
27G	SUB-104-G27	4	1	15	23	25											
	SUB-106-G27	6	1	14	22	24											
	SUB-109-G27	9	1	13	20	22											
	SUB-112-G27	12	1	12	18	20											
	SUB-204-G27	4	2			28	55	73									
	SUB-250	6	2			27	52	69									
	SUB-260	9	2			25	47	63									
	SUB-212-G27	12	2			22	43	58									
	SUB-310	6	3				56	77	113								
	SUB-320	9	3				51	71	104								
	SUB-312-G27	12	3				47	64	95								
	SUB-400	6	4					87	123	165							
	SUB-410	9	4					80	113	151							
	SUB-412-G27	12	4					72	103	137							
	SUB-414-G27	14	4					68	96	128							
	SUB-506	6	5				62		132	174							
	SUB-509	9	5				57		121	160							
	SUB-606	6	6					96		182	228						
	SUB-609	9	6					88		167	209						
	SAF-Q-106-G27	6	1	14	22	24											
	SAF-Q-109-G27	9	1	13	20	22											
	SAF-Q-112-G27	12	1	12	18	20											

User Manual (International)

Table 10b		Drug			Patient Information							Flow Controller								
		Gammagard/Kiovig			Patients 40 kg (88 lb) and over							Infuset								
Values shaded in yellow are only suitable for maintenance infusions according to the drug's prescribing information.																				
SUB-Q Set				Total flow rate for ALL sites with Infuset Flow Controller (mL/h)																
Gauge	REF#	Length (mm)	# of Needles	Infuset-45	Infuset-80	Infuset-120	Infuset-190	Infuset-290	Infuset-430	Infuset-650	Infuset-820	Infuset-930	Infuset-1850	Infuset-3200	Infuset-4000	Infuset-4300				
	SAF-Q-206-G27	6	2			27	52	69												
	SAF-Q-209-G27	9	2			25	47	63												
	SAF-Q-212-G27	12	2			22	43	58												
	SAF-Q-306-G27	6	3			56	77	113												
	SAF-Q-309-G27	9	3			51	71	104												
	SAF-Q-312-G27	12	3			47	64	95												
	SAF-Q-406-G27	6	4					87	123	165										
	SAF-Q-409-G27	9	4					80	113	151										
	SAF-Q-412-G27	12	4					72	103	137										
	SAF-Q-509-G27	9	5			57		121	160											
	SAF-Q-609-G27	9	6			88		167	209											

Table 11a		Drug			Patient Information					Flow Controller								
		Gammagard/Kiovig			Patients under 40 kg (88 lb)					VersaRate*								
Values shaded in yellow are only suitable for maintenance infusions according to the drug's prescribing information.																		
SUB-Q Set				Total Flow Rate for ALL sites with VersaRate Flow Controller (mL/h)														
Gauge	REF#	Length (mm)	# of Needles	½	1	2	3	4	5	6								
24G	SUB-109-G24	9	1	44	61	110	142	196	262	355								
	SUB-112-G24	12	1	40	55	100	129	179	239	323								
	SUB-209-G24	9	2	49	64	132	194	280	421	727								
	SUB-212-G24	12	2	45	59	120	177	255	383	661								
	SAF-Q-106-G24	6	1	48	66	119	155	214	286	387								
	SAF-Q-109-G24	9	1	44	61	110	142	196	262	355								
26G	OPT12604	4	1	47									341					
	OPT12606	6	1	47									341					
	OPT12609	9	1	47									341					
	OPT12612	12	1	47									341					
	OPT12614	14	1	45									321					
	OPT22604	4	2	35	69								661					
	OPT22606	6	2	35	69								661					
	OPT22609	9	2	35	69								661					
	OPT22612	12	2	35	69								661					
	OPT22614	14	2	33	65								622					

SCIg60® Infusion System

Table 11a		Drug		Patient Information					Flow Controller		
		Gammagard/Kiovig		Patients under 40 kg (88 lb)					VersaRate*		
Values shaded in yellow are only suitable for maintenance infusions according to the drug's prescribing information.											
SUB-Q Set				Total Flow Rate for ALL sites with VersaRate Flow Controller (mL/h)							
Gauge	REF#	Length (mm)	# of Needles	½	1	2	3	4	5	6	
27G	OPT32606	6	3	45	76					993	
	OPT32609	9	3	45	76					993	
	OPT32612	12	3	45	76					993	
	OPT32614	14	3	43	71					933	
	OPT42606	6	4	41	81	143				1243	
	OPT42609	9	4	41	81	143				1243	
	OPT42612	12	4	41	81	143				1243	
	OPT42614	14	4	39	76	134				1168	
	OPT52606	6	5	40	72	144				1411	
	OPT52609	9	5	40	72	144				1411	
	OPT52612	12	5	40	72	144				1411	
	OPT62609	9	6		82	148	228			1672	
	OPT62612	12	6		82	148	228			1672	
	SUB-104-G27	4	1	41	50	67	84	98	109	120	
27G	SUB-106-G27	6	1	38	47	64	80	93	103	113	
	SUB-109-G27	9	1	35	43	59	73	85	95	104	
	SUB-112-G27	12	1	32	40	53	67	77	86	95	
	SUB-204-G27	4	2	50	65	90	121	153	199	232	
	SUB-250	6	2	47	61	86	114	145	188	220	
	SUB-260	9	2	43	56	79	105	133	173	202	
	SUB-212-G27	12	2	39	51	71	96	121	157	183	
	SUB-310	6	3	46	66	107	147	185	247	290	
	SUB-320	9	3	42	60	98	135	170	226	266	
	SUB-312-G27	12	3	38	55	89	123	155	206	242	
	SUB-400	6	4	51	71	126	179	244	312	432	
	SUB-410	9	4	47	65	116	165	224	286	397	
	SUB-412-G27	12	4	43	59	106	150	204	260	361	
	SUB-414-G27	14	4	40	55	99	140	191	243	337	
	SUB-506	6	5	46	77	127	193	274	372	531	
	SUB-509	9	5	42	71	117	177	251	342	487	
	SAF-Q-106-G27	6	1	38	47	64	80	93	103	113	
	SAF-Q-109-G27	9	1	35	43	59	73	85	95	104	
	SAF-Q-112-G27	12	1	32	40	53	67	77	86	95	
	SAF-Q-206-G27	6	2	47	61	86	114	145	188	220	
	SAF-Q-209-G27	9	2	43	56	79	105	133	173	202	
	SAF-Q-212-G27	12	2	39	51	71	96	121	157	183	
	SAF-Q-306-G27	6	3	46	66	107	147	185	247	290	
	SAF-Q-309-G27	9	3	42	60	98	135	170	226	266	
	SAF-Q-312-G27	12	3	38	55	89	123	155	206	242	

User Manual (International)

Table 11a		Drug			Patient Information				Flow Controller							
		Gammagard/Kiovig			Patients under 40 kg (88 lb)				VersaRate*							
Values shaded in yellow are only suitable for maintenance infusions according to the drug's prescribing information.																
SUB-Q Set				Total Flow Rate for ALL sites with VersaRate Flow Controller (mL/h)												
Gauge	REF#	Length (mm)	# of Needles	½	1	2	3	4	5	6						
26G	SAF-Q-406-G27	6	4	51	71	126	179	244	312	432						
	SAF-Q-409-G27	9	4	47	65	116	165	224	286	397						
	SAF-Q-412-G27	12	4	43	59	106	150	204	260	361						
	SAF-Q-509-G27	9	5	42	71	117	177	251	342	487						

Table 11b		Drug			Patient Information				Flow Controller							
		Gammagard/Kiovig			Patients 40 kg (88 lb) and over				VersaRate*							
Values shaded in yellow are only suitable for maintenance infusions according to the drug's prescribing information.																
SUB-Q Set				Total Flow Rate for ALL sites with VersaRate Flow Controller (mL/h)												
Gauge	REF#	Length (mm)	# of Needles	½	1	2	3	4	5	6						
24G	SUB-109-G24	9	1	44	61	110	142	196	262	355						
	SUB-112-G24	12	1	40	55	100	129	179	239	323						
	SUB-209-G24	9	2	49	64	132	194	280	421	727						
	SUB-212-G24	12	2	45	59	120	177	255	383	661						
	SAF-Q-106-G24	6	1	48	66	119	155	214	286	387						
	SAF-Q-109-G24	9	1	44	61	110	142	196	262	355						
26G	OPT12604	4	1	47						341						
	OPT12606	6	1	47						341						
	OPT12609	9	1	47						341						
	OPT12612	12	1	47						341						
	OPT12614	14	1	45						321						
	OPT22604	4	2	35	69					661						
	OPT22606	6	2	35	69					661						
	OPT22609	9	2	35	69					661						
	OPT22612	12	2	35	69					661						
	OPT22614	14	2	33	65					622						
	OPT32606	6	3	45	76					993						
	OPT32609	9	3	45	76					993						
	OPT32612	12	3	45	76					993						
	OPT32614	14	3	43	71					933						
	OPT42606	6	4	41	81	143				1243						
	OPT42609	9	4	41	81	143				1243						
	OPT42612	12	4	41	81	143				1243						
	OPT42614	14	4	39	76	134				1168						

SCIg60® Infusion System

Table 11b		Drug		Patient Information					Flow Controller		
		Gammagard/Kiovig		Patients 40 kg (88 lb) and over					VersaRate*		
Values shaded in yellow are only suitable for maintenance infusions according to the drug's prescribing information.											
SUB-Q Set				Total Flow Rate for ALL sites with VersaRate Flow Controller (mL/h)							
Gauge	REF#	Length (mm)	# of Needles	½	1	2	3	4	5	6	
27G	OPT52606	6	5	40	72	144				1411	
	OPT52609	9	5	40	72	144				1411	
	OPT52612	12	5	40	72	144				1411	
	OPT62609	9	6		82	148	228			1672	
	OPT62612	12	6		82	148	228			1672	
	SUB-104-G27	4	1	41	50	67	84	98	109	120	
	SUB-106-G27	6	1	38	47	64	80	93	103	113	
	SUB-109-G27	9	1	35	43	59	73	85	95	104	
	SUB-112-G27	12	1	32	40	53	67	77	86	95	
	SUB-204-G27	4	2	50	65	90	121	153	199	232	
	SUB-250	6	2	47	61	86	114	145	188	220	
	SUB-260	9	2	43	56	79	105	133	173	202	
	SUB-212-G27	12	2	39	51	71	96	121	157	183	
	SUB-310	6	3	46	66	107	147	185	247	290	
	SUB-320	9	3	42	60	98	135	170	226	266	
	SUB-312-G27	12	3	38	55	89	123	155	206	242	
	SUB-400	6	4	51	71	126	179	244	312	432	
	SUB-410	9	4	47	65	116	165	224	286	397	
	SUB-412-G27	12	4	43	59	106	150	204	260	361	
	SUB-414-G27	14	4	40	55	99	140	191	243	337	
	SUB-506	6	5	46	77	127	193	274	372	531	
	SUB-509	9	5	42	71	117	177	251	342	487	
	SAF-Q-106-G27	6	1	38	47	64	80	93	103	113	
	SAF-Q-109-G27	9	1	35	43	59	73	85	95	104	
	SAF-Q-112-G27	12	1	32	40	53	67	77	86	95	
	SAF-Q-206-G27	6	2	47	61	86	114	145	188	220	
	SAF-Q-209-G27	9	2	43	56	79	105	133	173	202	
	SAF-Q-212-G27	12	2	39	51	71	96	121	157	183	
	SAF-Q-306-G27	6	3	46	66	107	147	185	247	290	
	SAF-Q-309-G27	9	3	42	60	98	135	170	226	266	
	SAF-Q-312-G27	12	3	38	55	89	123	155	206	242	
	SAF-Q-406-G27	6	4	51	71	126	179	244	312	432	
	SAF-Q-409-G27	9	4	47	65	116	165	224	286	397	
	SAF-Q-412-G27	12	4	43	59	106	150	204	260	361	
	SAF-Q-509-G27	9	5	42	71	117	177	251	342	487	



*The VersaRate flow regulator has markings around the circumference of the rotating dial denoting position settings that reference flow rates. Six markings have been designated with sequential numbers 1-6, with additional demarcations between each number. These demarcations between the numbers represent additional reference points that can be used to assist in controlling flow rates between the numbered position settings. The first of these reference points between OFF and Position 1, will be referred to as Position ½.

User Manual (International)

Table 12a		Drug			Patient Information							Flow Controller								
		Gammagard/Kiovig			Patients under 40 kg (88 lb)							VersaRate Plus								
Values shaded in yellow are only suitable for maintenance infusions according to the drug's prescribing information.																				
SUB-Q Set				Total Flow Rate for ALL sites with VersaRate Plus Flow Controller (mL/h)																
Gauge	REF#	Length (mm)	# of Needles	1	2	3	4	5	6	7	8	9	10	11	OPEN					
24G	SUB-109-G24	9	1	64	111	153	189	219	244	265	282	295	305	311	343					
	SUB-112-G24	12	1	58	101	139	172	199	222	241	257	269	277	283	313					
	SUB-209-G24	9	2	53	121	186	247	304	356	402	442	476	502	520	681					
	SUB-212-G24	12	2	48	110	169	225	277	324	366	402	433	457	473	620					
	SAF-Q-106-G24	6	1	70	121	167	206	239	266	289	308	322	332	339	374					
	SAF-Q-109-G24	9	1	64	111	153	189	219	244	265	282	295	305	311	343					
27G	SUB-104-G27	4	1	42											122					
	SUB-106-G27	6	1	40											115					
	SUB-109-G27	9	1	36											106					
	SUB-112-G27	12	1	33											96					
	SUB-204-G27	4	2	51	96										227					
	SUB-250	6	2	48	91										215					
	SUB-260	9	2	44	84										197					
	SUB-212-G27	12	2	40	76										180					
	SUB-310	6	3	50	99										334					
	SUB-320	9	3	46	91										307					
	SUB-312-G27	12	3	42	83										279					
	SUB-400	6	4	56	107										426					
	SUB-410	9	4	51	98										391					
	SUB-412-G27	12	4	47	90										355					
	SUB-414-G27	14	4	43	84										332					
	SUB-506	6	5	57	113	178									528					
	SUB-509	9	5	53	104	163									485					
	SUB-606	6	6	56	112	175									593					
	SUB-609	9	6	52	102	161									544					
	SAF-Q-106-G27	6	1	40											115					
	SAF-Q-109-G27	9	1	36											106					
	SAF-Q-112-G27	12	1	33											96					
	SAF-Q-206-G27	6	2	48	91										215					
	SAF-Q-209-G27	9	2	44	84										197					
	SAF-Q-212-G27	12	2	40	76										180					
	SAF-Q-306-G27	6	3	50	99										334					
	SAF-Q-309-G27	9	3	46	91										307					
	SAF-Q-312-G27	12	3	42	83										279					
	SAF-Q-406-G27	6	4	56	107										426					
	SAF-Q-409-G27	9	4	51	98										391					
	SAF-Q-412-G27	12	4	47	90										355					
	SAF-Q-509-G27	9	5	53	104	163									485					
	SAF-Q-609-G27	9	6	52	102	161									544					

SCIg60® Infusion System

Table 12b		Drug			Patient Information							Flow Controller								
		Gammagard/Kiovig			Patients 40 kg (88 lb) and over							VersaRate Plus								
Values shaded in yellow are only suitable for maintenance infusions according to the drug's prescribing information.																				
SUB-Q Set			Total Flow Rate for ALL sites with VersaRate Plus Flow Controller (mL/h)																	
Gauge	REF#	Length (mm)	# of Needles	1	2	3	4	5	6	7	8	9	10	11	OPEN					
24G	SUB-109-G24	9	1	64	111	153	189	219	244	265	282	295	305	311	343					
	SUB-112-G24	12	1	58	101	139	172	199	222	241	257	269	277	283	313					
	SUB-209-G24	9	2	53	121	186	247	304	356	402	442	476	502	520	681					
	SUB-212-G24	12	2	48	110	169	225	277	324	366	402	433	457	473	620					
	SAF-Q-106-G24	6	1	70	121	167	206	239	266	289	308	322	332	339	374					
	SAF-Q-109-G24	9	1	64	111	153	189	219	244	265	282	295	305	311	343					
27G	SUB-104-G27	4	1	42											122					
	SUB-106-G27	6	1	40											115					
	SUB-109-G27	9	1	36											106					
	SUB-112-G27	12	1	33											96					
	SUB-204-G27	4	2	51	96										227					
	SUB-250	6	2	48	91										215					
	SUB-260	9	2	44	84										197					
	SUB-212-G27	12	2	40	76										180					
	SUB-310	6	3	50	99										334					
	SUB-320	9	3	46	91										307					
	SUB-312-G27	12	3	42	83										279					
	SUB-400	6	4	56	107										426					
	SUB-410	9	4	51	98										391					
	SUB-412-G27	12	4	47	90										355					
	SUB-414-G27	14	4	43	84										332					
	SUB-506	6	5	57	113	178									528					
	SUB-509	9	5	53	104	163									485					
	SUB-606	6	6	56	112	175									593					
	SUB-609	9	6	52	102	161									544					
	SAF-Q-106-G27	6	1	40											115					
	SAF-Q-109-G27	9	1	36											106					
	SAF-Q-112-G27	12	1	33											96					
	SAF-Q-206-G27	6	2	48	91										215					
	SAF-Q-209-G27	9	2	44	84										197					
	SAF-Q-212-G27	12	2	40	76										180					
	SAF-Q-306-G27	6	3	50	99										334					
	SAF-Q-309-G27	9	3	46	91										307					
	SAF-Q-312-G27	12	3	42	83										279					
	SAF-Q-406-G27	6	4	56	107										426					
	SAF-Q-409-G27	9	4	51	98										391					
	SAF-Q-412-G27	12	4	47	90										355					
	SAF-Q-509-G27	9	5	53	104	163									485					
	SAF-Q-609-G27	9	6	52	102	161									544					

User Manual (International)

Infusing Gamunex-C or Gammaked

The tables below show system total flow rates without system tolerance or other factors that may affect flow rate for infusing Gamunex-C or Gammaked. Cells shaded in white may be suitable for initial and maintenance infusions. Values that are shaded in yellow may only be suitable for maintenance infusions. Flow rates that exceed the prescribing information limits are shaded red and are for informational purpose only. Cells shaded in gray do not have values listed because testing has not been performed. Please confirm the drug manufacturer's prescribing information for your region.

Table Legend:

	Suitable for initial and maintenance infusions For Adults: Up to 20 mL/h/site For Pediatrics: Under 25 kg (55 lb) body weight: up to 10 mL/h/site; 25 kg (55 lb) and greater: up to 15 mL/h/site
	Suitable for maintenance infusions only For Adults: Up to 20 mL/h/site For Pediatrics: Under 25 kg (55 lb) body weight: up to 10 mL/h/site; 25 kg (55 lb) and greater: up to 20 mL/h/site
	May exceed the prescribing information For Adults: Exceeds 20 mL/h/site For Pediatrics: Under 25 kg (55 lb): Exceeds 10 mL/h/site; 25 kg (55 lb) and greater: Exceeds 20 mL/h/site
	No data available

Table 13a

SUB-Q Set		Drug				Patient Information				Flow Controller															
		Gamunex-C or Gammaked				Adults				Infuset															
Values shaded in yellow are only suitable for maintenance infusions according to the drug's prescribing information. Values in red may exceed flow rate limits.																									
Total Flow Rate for ALL sites with Infuset Flow Controller (mL/h)																									
Gauge	REF#	Length (mm)	# of Needles	Infuset-45	Infuset-80	Infuset-120	Infuset-190	Infuset-290	Infuset-430	Infuset-650	Infuset-820	Infuset-930	Infuset-1850												
24G	SUB-109-G24	9	1	15	24	27																			
24G	SUB-112-G24	12	1	14	21	25																			
24G	SUB-209-G24	9	2		25	29	61																		
24G	SUB-212-G24	12	2		23	26	56																		
24G	SUB-309-G24	9	3				57	97	137																
24G	SUB-312-G24	12	3				52	89	125																
24G	SUB-409-G24	9	4			29		94	141																
24G	SUB-412-G24	12	4			26		86	128																
24G	SUB-512-G24	12	5				63		133																
24G	SUB-612-G24	12	6					95		183															
24G	SAF-Q-106-G24	6	1	16	26	30																			
24G	SAF-Q-109-G24	9	1	15	24	27																			
24G	SAF-Q-309-G24	9	3				57	97	137																
26G	OPT12604	4	1	13	25																				
26G	OPT12606	6	1	13	25																				
26G	OPT12609	9	1	13	25																				
26G	OPT12612	12	1	13	25																				
26G	OPT12614	14	1	13	24																				
26G	OPT22604	4	2	14	26	36	62																		

SCIg60® Infusion System

Table 13a		Drug					Patient Information			Flow Controller						
		Gamunex-C or Gammaked					Adults			Infuset						
Values shaded in yellow are only suitable for maintenance infusions according to the drug's prescribing information. Values in red may exceed flow rate limits.																
SUB-Q Set			Total Flow Rate for ALL sites with Infuset Flow Controller (mL/h)													
Gauge	REF#	Length (mm)	# of Needles	Infuset-45	Infuset-80	Infuset-120	Infuset-190	Infuset-290	Infuset-430	Infuset-650	Infuset-820	Infuset-930	Infuset-1830	Infuset-3200	Infuset-4000	Infuset-4300
27G	OPT22606	6	2	14	26	36	62									
	OPT22609	9	2	14	26	36	62									
	OPT22612	12	2	14	26	36	62									
	OPT22614	14	2	13	25	34	58									
	OPT32606	6	3			31	66	98								
	OPT32609	9	3			31	66	98								
	OPT32612	12	3			31	66	98								
	OPT32614	14	3			29	62	92								
	OPT42606	6	4			33	68	105								
	OPT42609	9	4			33	68	105								
	OPT42612	12	4			33	68	105								
	OPT42614	14	4			31	64	98								
	OPT52606	6	5			32	67	103	136							
	OPT52609	9	5			32	67	103	136							
	OPT52612	12	5			32	67	103	136							
	OPT62609	9	6				65	109	135	227						
	OPT62612	12	6				65	109	135	227						
27G	SUB-104-G27	4	1	15	23	25										
	SUB-106-G27	6	1	14	22	24										
	SUB-109-G27	9	1	13	20	22										
	SUB-112-G27	12	1	12	18	20										
	SUB-204-G27	4	2			28	55	73								
	SUB-250	6	2			27	52	69								
	SUB-260	9	2			25	47	63								
	SUB-212-G27	12	2			22	43	58								
	SUB-310	6	3				56	77	113							
	SUB-320	9	3				51	71	104							
	SUB-312-G27	12	3				47	64	95							
	SUB-400	6	4					87	123	165						
	SUB-410	9	4					80	113	151						
	SUB-412-G27	12	4					72	103	137						
	SUB-414-G27	14	4					68	96	128						
	SUB-506	6	5				62		132	174						
	SUB-509	9	5				57		121	160						
	SUB-606	6	6					96		182	228					
	SUB-609	9	6					88		167	209					
	SAF-Q-106-G27	6	1	14	22	24										
	SAF-Q-109-G27	9	1	13	20	22										

User Manual (International)

Table 13a		Drug					Patient Information			Flow Controller							
		Gamunex-C or Gammaked					Adults			Infuset							
Values shaded in yellow are only suitable for maintenance infusions according to the drug's prescribing information. Values in red may exceed flow rate limits.																	
SUB-Q Set		Total Flow Rate for ALL sites with Infuset Flow Controller (mL/h)															
Gauge	REF#	Length (mm)	# of Needles	Infuset-45	Infuset-80	Infuset-120	Infuset-190	Infuset-290	Infuset-430	Infuset-650	Infuset-820	Infuset-930	Infuset-1850	Infuset-3200	Infuset-4000	Infuset-4300	
24G	SAF-Q-112-G27	12	1	12	18	20											
	SAF-Q-206-G27	6	2			27	52	69									
	SAF-Q-209-G27	9	2			25	47	63									
	SAF-Q-212-G27	12	2			22	43	58									
	SAF-Q-306-G27	6	3				56	77	113								
	SAF-Q-309-G27	9	3				51	71	104								
	SAF-Q-312-G27	12	3				47	64	95								
	SAF-Q-406-G27	6	4					87	123	165							
	SAF-Q-409-G27	9	4					80	113	151							
	SAF-Q-412-G27	12	4					72	103	137							
	SAF-Q-509-G27	9	5				57		121	160							
	SAF-Q-609-G27	9	6					88		167	209						

Table 13b		Drug					Patient Information			Flow Controller							
		Gamunex-C or Gammaked					Pediatrics 25 kg (55 lb) and over			Infuset							
Values shaded in yellow are only suitable for maintenance infusions according to the drug's prescribing information. Values in red may exceed flow rate limits.																	
SUB-Q Set		Total Flow Rate for ALL sites with Infuset Flow Controller (mL/h)															
Gauge	REF#	Length (mm)	# of Needles	Infuset-45	Infuset-80	Infuset-120	Infuset-190	Infuset-290	Infuset-430	Infuset-650	Infuset-820	Infuset-930	Infuset-1850	Infuset-3200	Infuset-4000	Infuset-4300	
24G	SUB-109-G24	9	1	15	24	27											
	SUB-112-G24	12	1	14	21	25											
	SUB-209-G24	9	2		25	29	61										
	SUB-212-G24	12	2		23	26	56										
	SUB-309-G24	9	3				57	97	137								
	SUB-312-G24	12	3				52	89	125								
	SUB-409-G24	9	4			29		94	141								
	SUB-412-G24	12	4			26		86	128								
	SUB-512-G24	12	5				63		133								
	SUB-612-G24	12	6					95		183							
	SAF-Q-106-G24	6	1	16	26	30											

SCIg60® Infusion System

Table 13b		Drug				Patient Information				Flow Controller											
		Gamunex-C or Gammaked				Pediatrics 25 kg (55 lb) and over				Infuset											
Values shaded in yellow are only suitable for maintenance infusions according to the drug's prescribing information. Values in red may exceed flow rate limits.																					
SUB-Q Set				Total Flow Rate for ALL sites with Infuset Flow Controller (mL/h)																	
Gauge	REF#	Length (mm)	# of Needles	Infuset-45	Infuset-80	Infuset-120	Infuset-190	Infuset-290	Infuset-430	Infuset-650	Infuset-820	Infuset-930	Infuset-1850	Infuset-3200	Infuset-4000	Infuset-4300					
26G	SAF-Q-109-G24	9	1	15	24	27															
	SAF-Q-309-G24	9	3				57	97	137												
	OPT12604	4	1	13	25																
	OPT12606	6	1	13	25																
	OPT12609	9	1	13	25																
	OPT12612	12	1	13	25																
	OPT12614	14	1	13	24																
	OPT22604	4	2	14	26	36	62														
	OPT22606	6	2	14	26	36	62														
	OPT22609	9	2	14	26	36	62														
	OPT22612	12	2	14	26	36	62														
	OPT22614	14	2	13	25	34	58														
	OPT32606	6	3			31	66	98													
	OPT32609	9	3			31	66	98													
	OPT32612	12	3			31	66	98													
	OPT32614	14	3			29	62	92													
	OPT42606	6	4			33	68	105													
	OPT42609	9	4			33	68	105													
	OPT42612	12	4			33	68	105													
	OPT42614	14	4			31	64	98													
	OPT52606	6	5			32	67	103	136												
	OPT52609	9	5			32	67	103	136												
	OPT52612	12	5			32	67	103	136												
	OPT62609	9	6				65	109	135	227											
	OPT62612	12	6				65	109	135	227											
27G	SUB-104-G27	4	1	15	23	25															
	SUB-106-G27	6	1	14	22	24															
	SUB-109-G27	9	1	13	20	22															
	SUB-112-G27	12	1	12	18	20															
	SUB-204-G27	4	2			28	55	73													
	SUB-250	6	2			27	52	69													
	SUB-260	9	2			25	47	63													
	SUB-212-G27	12	2			22	43	58													
	SUB-310	6	3				56	77	113												
	SUB-320	9	3				51	71	104												
	SUB-312-G27	12	3				47	64	95												
	SUB-400	6	4					87	123	165											

User Manual (International)

Table 13b		Drug				Patient Information				Flow Controller											
		Gamunex-C or Gammaked				Pediatrics 25 kg (55 lb) and over				Infuset											
Values shaded in yellow are only suitable for maintenance infusions according to the drug's prescribing information. Values in red may exceed flow rate limits.																					
SUB-Q Set				Total Flow Rate for ALL sites with Infuset Flow Controller (mL/h)																	
Gauge	REF#	Length (mm)	# of Needles	Infuset-45	Infuset-80	Infuset-120	Infuset-190	Infuset-290	Infuset-430	Infuset-650	Infuset-820	Infuset-930	Infuset-1850	Infuset-3200	Infuset-4000	Infuset-4300					
	SUB-410	9	4					80	113	151											
	SUB-412-G27	12	4					72	103	137											
	SUB-414-G27	14	4					68	96	128											
	SUB-506	6	5			62			132	174											
	SUB-509	9	5			57			121	160											
	SUB-606	6	6					96		182	228										
	SUB-609	9	6					88		167	209										
	SAF-Q-106-G27	6	1	14	22	24															
	SAF-Q-109-G27	9	1	13	20	22															
	SAF-Q-112-G27	12	1	12	18	20															
	SAF-Q-206-G27	6	2		27	52	69														
	SAF-Q-209-G27	9	2		25	47	63														
	SAF-Q-212-G27	12	2		22	43	58														
	SAF-Q-306-G27	6	3			56	77	113													
	SAF-Q-309-G27	9	3			51	71	104													
	SAF-Q-312-G27	12	3			47	64	95													
	SAF-Q-406-G27	6	4				87	123	165												
	SAF-Q-409-G27	9	4				80	113	151												
	SAF-Q-412-G27	12	4				72	103	137												
	SAF-Q-509-G27	9	5			57			121	160											
	SAF-Q-609-G27	9	6				88			167	209										

SCIg60® Infusion System

Table 13c		Drug					Patient Information			Flow Controller							
		Gamunex-C or Gammaked					Pediatrics under 25 kg (55 lb)			Infuset							
Values shaded in yellow are only suitable for maintenance infusions according to the drug's prescribing information. Values in red may exceed flow rate limits.																	
SUB-Q Set					Total Flow Rate for ALL sites with Infuset Flow Controller (mL/h)												
Gauge	REF#	Length (mm)	# of Needles		Infuset-45	Infuset-80	Infuset-120	Infuset-190	Infuset-290	Infuset-430	Infuset-650	Infuset-820	Infuset-930	Infuset-1850	Infuset-3200	Infuset-4000	Infuset-4300
24G	SUB-109-G24	9	1	15	24	27											
	SUB-112-G24	12	1	14	21	25											
	SUB-209-G24	9	2		25	29	61										
	SUB-212-G24	12	2		23	26	56										
	SUB-309-G24	9	3				57	97	137								
	SUB-312-G24	12	3				52	89	125								
	SUB-409-G24	9	4			29		94	141								
	SUB-412-G24	12	4			26		86	128								
	SUB-512-G24	12	5				63		133								
	SUB-612-G24	12	6					95		183							
26G	SAF-Q-106-G24	6	1	16	26	30											
	SAF-Q-109-G24	9	1	15	24	27											
	SAF-Q-309-G24	9	3				57	97	137								
	OPT12604	4	1	13	25												
	OPT12606	6	1	13	25												
	OPT12609	9	1	13	25												
	OPT12612	12	1	13	25												
	OPT12614	14	1	13	24												
	OPT22604	4	2	14	26	36	62										
	OPT22606	6	2	14	26	36	62										
	OPT22609	9	2	14	26	36	62										
	OPT22612	12	2	14	26	36	62										
	OPT22614	14	2	13	25	34	58										
	OPT32606	6	3			31	66	98									
	OPT32609	9	3			31	66	98									
	OPT32612	12	3			31	66	98									
	OPT32614	14	3			29	62	92									
	OPT42606	6	4			33	68	105									
	OPT42609	9	4			33	68	105									
	OPT42612	12	4			33	68	105									
	OPT42614	14	4			31	64	98									
	OPT52606	6	5			32	67	103	136								
	OPT52609	9	5			32	67	103	136								
	OPT52612	12	5			32	67	103	136								
	OPT62609	9	6				65	109	135	227							
	OPT62612	12	6				65	109	135	227							

User Manual (International)

Table 13c		Drug				Patient Information			Flow Controller							
		Gamunex-C or Gammaked				Pediatrics under 25 kg (55 lb)			Infuset							
Values shaded in yellow are only suitable for maintenance infusions according to the drug's prescribing information. Values in red may exceed flow rate limits.																
SUB-Q Set				Total Flow Rate for ALL sites with Infuset Flow Controller (mL/h)												
Gauge	REF#	Length (mm)	# of Needles	Infuset-45	Infuset-80	Infuset-120	Infuset-190	Infuset-290	Infuset-430	Infuset-650	Infuset-820	Infuset-930	Infuset-1850	Infuset-3200	Infuset-4000	Infuset-4300
27G	SUB-104-G27	4	1	15	23	25										
	SUB-106-G27	6	1	14	22	24										
	SUB-109-G27	9	1	13	20	22										
	SUB-112-G27	12	1	12	18	20										
	SUB-204-G27	4	2			28	55	73								
	SUB-250	6	2			27	52	69								
	SUB-260	9	2			25	47	63								
	SUB-212-G27	12	2			22	43	58								
	SUB-310	6	3				56	77	113							
	SUB-320	9	3				51	71	104							
	SUB-312-G27	12	3				47	64	95							
	SUB-400	6	4					87	123	165						
	SUB-410	9	4					80	113	151						
	SUB-412-G27	12	4					72	103	137						
	SUB-414-G27	14	4					68	96	128						
	SUB-506	6	5				62			132	174					
	SUB-509	9	5				57			121	160					
	SUB-606	6	6					96			182	228				
	SUB-609	9	6					88			167	209				
	SAF-Q-106-G27	6	1	14	22	24										
	SAF-Q-109-G27	9	1	13	20	22										
	SAF-Q-112-G27	12	1	12	18	20										
	SAF-Q-206-G27	6	2			27	52	69								
	SAF-Q-209-G27	9	2			25	47	63								
	SAF-Q-212-G27	12	2			22	43	58								
	SAF-Q-306-G27	6	3				56	77	113							
	SAF-Q-309-G27	9	3				51	71	104							
	SAF-Q-312-G27	12	3				47	64	95							
	SAF-Q-406-G27	6	4					87	123	165						
	SAF-Q-409-G27	9	4					80	113	151						
	SAF-Q-412-G27	12	4					72	103	137						
	SAF-Q-509-G27	9	5				57			121	160					
	SAF-Q-609-G27	9	6					88			167	209				

SCIg60® Infusion System

Table 14a		Drug			Patient Information			Flow Controller				
		Gamunex-C or Gammaked			Adults			VersaRate				
Values shaded in yellow are only suitable for maintenance infusions according to the drug's prescribing information. Values in red may exceed flow rate limits.												
SUB-Q Set				Total Flow Rate for ALL sites with VersaRate Flow Controller (mL/h)								
Gauge	REF#	Length (mm)	# of Needles	½	1	2	3	4	5	6		
24G	SUB-109-G24	9	1	44	61	110	142	196	262	355		
	SUB-112-G24	12	1	40	55	100	129	179	239	323		
	SUB-209-G24	9	2	49	64	132	194	280	421	727		
	SUB-212-G24	12	2	45	59	120	177	255	383	661		
	SAF-Q-106-G24	6	1	48	66	119	155	214	286	387		
	SAF-Q-109-G24	9	1	44	61	110	142	196	262	355		
26G	OPT12604	4	1	47						341		
	OPT12606	6	1	47						341		
	OPT12609	9	1	47						341		
	OPT12612	12	1	47						341		
	OPT12614	14	1	45						321		
	OPT22604	4	2	35	69					661		
	OPT22606	6	2	35	69					661		
	OPT22609	9	2	35	69					661		
	OPT22612	12	2	35	69					661		
	OPT22614	14	2	33	65					622		
	OPT32606	6	3	45	76					993		
	OPT32609	9	3	45	76					993		
	OPT32612	12	3	45	76					993		
	OPT32614	14	3	43	71					933		
	OPT42606	6	4	41	81	143				1243		
	OPT42609	9	4	41	81	143				1243		
	OPT42612	12	4	41	81	143				1243		
	OPT42614	14	4	39	76	134				1168		
27G	OPT52606	6	5	40	72	144				1411		
	OPT52609	9	5	40	72	144				1411		
	OPT52612	12	5	40	72	144				1411		
	OPT62609	9	6		82	148	228			1672		
	OPT62612	12	6		82	148	228			1672		
	SUB-104-G27	4	1	41	50	67	84	98	109	120		
	SUB-106-G27	6	1	38	47	64	80	93	103	113		
	SUB-109-G27	9	1	35	43	59	73	85	95	104		
	SUB-112-G27	12	1	32	40	53	67	77	86	95		
	SUB-204-G27	4	2	50	65	90	121	153	199	232		
	SUB-250	6	2	47	61	86	114	145	188	220		
	SUB-260	9	2	43	56	79	105	133	173	202		
	SUB-212-G27	12	2	39	51	71	96	121	157	183		
	SUB-310	6	3	46	66	107	147	185	247	290		
	SUB-320	9	3	42	60	98	135	170	226	266		

User Manual (International)

Table 14a		Drug			Patient Information			Flow Controller								
		Gamunex-C or Gammaked			Adults			VersaRate								
Values shaded in yellow are only suitable for maintenance infusions according to the drug's prescribing information. Values in red may exceed flow rate limits.																
SUB-Q Set				Total Flow Rate for ALL sites with VersaRate Flow Controller (mL/h)												
Gauge	REF#	Length (mm)	# of Needles	½	1	2	3	4	5	6						
24G	SUB-312-G27	12	3	38	55	89	123	155	206	242						
	SUB-400	6	4	51	71	126	179	244	312	432						
	SUB-410	9	4	47	65	116	165	224	286	397						
	SUB-412-G27	12	4	43	59	106	150	204	260	361						
	SUB-414-G27	14	4	40	55	99	140	191	243	337						
	SUB-506	6	5	46	77	127	193	274	372	531						
	SUB-509	9	5	42	71	117	177	251	342	487						
	SAF-Q-106-G27	6	1	38	47	64	80	93	103	113						
	SAF-Q-109-G27	9	1	35	43	59	73	85	95	104						
	SAF-Q-112-G27	12	1	32	40	53	67	77	86	95						
	SAF-Q-206-G27	6	2	47	61	86	114	145	188	220						
	SAF-Q-209-G27	9	2	43	56	79	105	133	173	202						
	SAF-Q-212-G27	12	2	39	51	71	96	121	157	183						
	SAF-Q-306-G27	6	3	46	66	107	147	185	247	290						
	SAF-Q-309-G27	9	3	42	60	98	135	170	226	266						
	SAF-Q-312-G27	12	3	38	55	89	123	155	206	242						
	SAF-Q-406-G27	6	4	51	71	126	179	244	312	432						
	SAF-Q-409-G27	9	4	47	65	116	165	224	286	397						
	SAF-Q-412-G27	12	4	43	59	106	150	204	260	361						
	SAF-Q-509-G27	9	5	42	71	117	177	251	342	487						

Table 14b		Drug			Patient Information			Flow Controller								
		Gamunex-C or Gammaked			Pediatrics 25 kg (55 lb) and over			VersaRate								
Values shaded in yellow are only suitable for maintenance infusions according to the drug's prescribing information. Values in red may exceed flow rate limits.																
SUB-Q Set				Total Flow Rate for ALL sites with VersaRate Flow Controller (mL/h)												
Gauge	REF#	Length (mm)	# of Needles	½	1	2	3	4	5	6						
24G	SUB-109-G24	9	1	44	61	110	142	196	262	355						
	SUB-112-G24	12	1	40	55	100	129	179	239	323						
	SUB-209-G24	9	2	49	64	132	194	280	421	727						
	SUB-212-G24	12	2	45	59	120	177	255	383	661						
	SAF-Q-106-G24	6	1	48	66	119	155	214	286	387						
	SAF-Q-109-G24	9	1	44	61	110	142	196	262	355						

SCIg60® Infusion System

Table 14b		Drug			Patient Information			Flow Controller						
		Gamunex-C or Gammaked			Pediatrics 25 kg (55 lb) and over			VersaRate						
Values shaded in yellow are only suitable for maintenance infusions according to the drug's prescribing information. Values in red may exceed flow rate limits.														
SUB-Q Set					Total Flow Rate for ALL sites with VersaRate Flow Controller (mL/h)									
Gauge	REF#	Length (mm)	# of Needles		½	1	2	3	4	5	6			
26G	OPT12604	4	1	47							341			
	OPT12606	6	1	47							341			
	OPT12609	9	1	47							341			
	OPT12612	12	1	47							341			
	OPT12614	14	1	45							321			
	OPT22604	4	2	35	35	69					661			
	OPT22606	6	2	35	35	69					661			
	OPT22609	9	2	35	35	69					661			
	OPT22612	12	2	35	35	69					661			
	OPT22614	14	2	33	33	65					622			
	OPT32606	6	3	45	45	76					993			
	OPT32609	9	3	45	45	76					993			
	OPT32612	12	3	45	45	76					993			
	OPT32614	14	3	43	43	71					933			
	OPT42606	6	4	41	41	81	143				1243			
	OPT42609	9	4	41	41	81	143				1243			
	OPT42612	12	4	41	41	81	143				1243			
	OPT42614	14	4	39	39	76	134				1168			
	OPT52606	6	5	40	40	72	144				1411			
	OPT52609	9	5	40	40	72	144				1411			
	OPT52612	12	5	40	40	72	144				1411			
	OPT62609	9	6			82	148	228			1672			
	OPT62612	12	6			82	148	228			1672			
27G	SUB-104-G27	4	1	41	41	50	67	84	98	109	120			
	SUB-106-G27	6	1	38	38	47	64	80	93	103	113			
	SUB-109-G27	9	1	35	35	43	59	73	85	95	104			
	SUB-112-G27	12	1	32	32	40	53	67	77	86	95			
	SUB-204-G27	4	2	50	50	65	90	121	153	199	232			
	SUB-250	6	2	47	47	61	86	114	145	188	220			
	SUB-260	9	2	43	43	56	79	105	133	173	202			
	SUB-212-G27	12	2	39	39	51	71	96	121	157	183			
	SUB-310	6	3	46	46	66	107	147	185	247	290			
	SUB-320	9	3	42	42	60	98	135	170	226	266			
	SUB-312-G27	12	3	38	38	55	89	123	155	206	242			
	SUB-400	6	4	51	51	71	126	179	244	312	432			
	SUB-410	9	4	47	47	65	116	165	224	286	397			
	SUB-412-G27	12	4	43	43	59	106	150	204	260	361			
	SUB-414-G27	14	4	40	40	55	99	140	191	243	337			

User Manual (International)

Table 14b		Drug			Patient Information			Flow Controller				
		Gamunex-C or Gammaked			Pediatrics 25 kg (55 lb) and over			VersaRate				
Values shaded in yellow are only suitable for maintenance infusions according to the drug's prescribing information. Values in red may exceed flow rate limits.												
SUB-Q Set			Total Flow Rate for ALL sites with VersaRate Flow Controller (mL/h)									
Gauge	REF#	Length (mm)	# of Needles	½	1	2	3	4	5	6		
	SUB-506	6	5	46	77	127	193	274	372	531		
	SUB-509	9	5	42	71	117	177	251	342	487		
	SAF-Q-106-G27	6	1	38	47	64	80	93	103	113		
	SAF-Q-109-G27	9	1	35	43	59	73	85	95	104		
	SAF-Q-112-G27	12	1	32	40	53	67	77	86	95		
	SAF-Q-206-G27	6	2	47	61	86	114	145	188	220		
	SAF-Q-209-G27	9	2	43	56	79	105	133	173	202		
	SAF-Q-212-G27	12	2	39	51	71	96	121	157	183		
	SAF-Q-306-G27	6	3	46	66	107	147	185	247	290		
	SAF-Q-309-G27	9	3	42	60	98	135	170	226	266		
	SAF-Q-312-G27	12	3	38	55	89	123	155	206	242		
	SAF-Q-406-G27	6	4	51	71	126	179	244	312	432		
	SAF-Q-409-G27	9	4	47	65	116	165	224	286	397		
	SAF-Q-412-G27	12	4	43	59	106	150	204	260	361		
	SAF-Q-509-G27	9	5	42	71	117	177	251	342	487		



*The VersaRate flow regulator has markings around the circumference of the rotating dial denoting position settings that reference flow rates. Six markings have been designated with sequential numbers 1-6, with additional demarcations between each number. These demarcations between the numbers represent additional reference points that can be used to assist in controlling flow rates between the numbered position settings. The first of these reference points between OFF and Position 1, will be referred to as Position ½.

SCIg60® Infusion System

Gamunex-C or Gammaked with VersaRate for Pediatrics Under 25 kg (55lbs)

For pediatric patients weighing less than 25kg, the infusion flow rate limit is 10ml/hr/site for both initial and maintenance infusions. As shown in Table 14c, most configurations with VersaRate have flow rates that exceed this limit.

Table 14c		Drug			Patient Information			Flow Controller								
		Gamunex-C or Gammaked			Pediatrics under 25 kg (55 lb)			VersaRate								
Values shaded in yellow are only suitable for maintenance infusions according to the drug's prescribing information. Values in red may exceed flow rate limits.																
SUB-Q Set			Total Flow Rate for ALL sites with VersaRate Flow Controller (mL/h)													
Gauge	REF#	Length (mm)	# of Needles	½	1	2	3	4	5	6						
24G	SUB-109-G24	9	1	44	61	110	142	196	262	355						
	SUB-112-G24	12	1	40	55	100	129	179	239	323						
	SUB-209-G24	9	2	49	64	132	194	280	421	727						
	SUB-212-G24	12	2	45	59	120	177	255	383	661						
	SAF-Q-106-G24	6	1	48	66	119	155	214	286	387						
	SAF-Q-109-G24	9	1	44	61	110	142	196	262	355						
26G	OPT12604	4	1	47						341						
	OPT12606	6	1	47						341						
	OPT12609	9	1	47						341						
	OPT12612	12	1	47						341						
	OPT12614	14	1	45						321						
	OPT22604	4	2	35	69					661						
	OPT22606	6	2	35	69					661						
	OPT22609	9	2	35	69					661						
	OPT22612	12	2	35	69					661						
	OPT22614	14	2	33	65					622						
	OPT32606	6	3	45	76					993						
	OPT32609	9	3	45	76					993						
	OPT32612	12	3	45	76					993						
	OPT32614	14	3	43	71					933						
	OPT42606	6	4	41	81	143				1243						
	OPT42609	9	4	41	81	143				1243						
	OPT42612	12	4	41	81	143				1243						
	OPT42614	14	4	39	76	134				1168						
27G	OPT52606	6	5	40	72	144				1411						
	OPT52609	9	5	40	72	144				1411						
	OPT52612	12	5	40	72	144				1411						
	OPT62609	9	6		82	148	228			1672						
	OPT62612	12	6		82	148	228			1672						
	SUB-104-G27	4	1	41	50	67	84	98	109	120						
	SUB-106-G27	6	1	38	47	64	80	93	103	113						
	SUB-109-G27	9	1	35	43	59	73	85	95	104						
	SUB-112-G27	12	1	32	40	53	67	77	86	95						

User Manual (International)

Table 14c		Drug			Patient Information			Flow Controller								
		Gamunex-C or Gammaked			Pediatrics under 25 kg (55 lb)			VersaRate								
Values shaded in yellow are only suitable for maintenance infusions according to the drug's prescribing information. Values in red may exceed flow rate limits.																
SUB-Q Set			Total Flow Rate for ALL sites with VersaRate Flow Controller (mL/h)													
Gauge	REF#	Length (mm)	# of Needles	½	1	2	3	4	5	6						
	SUB-204-G27	4	2	50	65	90	121	153	199	232						
	SUB-250	6	2	47	61	86	114	145	188	220						
	SUB-260	9	2	43	56	79	105	133	173	202						
	SUB-212-G27	12	2	39	51	71	96	121	157	183						
	SUB-310	6	3	46	66	107	147	185	247	290						
	SUB-320	9	3	42	60	98	135	170	226	266						
	SUB-312-G27	12	3	38	55	89	123	155	206	242						
	SUB-400	6	4	51	71	126	179	244	312	432						
	SUB-410	9	4	47	65	116	165	224	286	397						
	SUB-412-G27	12	4	43	59	106	150	204	260	361						
	SUB-414-G27	14	4	40	55	99	140	191	243	337						
	SUB-506	6	5	46	77	127	193	274	372	531						
	SUB-509	9	5	42	71	117	177	251	342	487						
	SAF-Q-106-G27	6	1	38	47	64	80	93	103	113						
	SAF-Q-109-G27	9	1	35	43	59	73	85	95	104						
	SAF-Q-112-G27	12	1	32	40	53	67	77	86	95						
	SAF-Q-206-G27	6	2	47	61	86	114	145	188	220						
	SAF-Q-209-G27	9	2	43	56	79	105	133	173	202						
	SAF-Q-212-G27	12	2	39	51	71	96	121	157	183						
	SAF-Q-306-G27	6	3	46	66	107	147	185	247	290						
	SAF-Q-309-G27	9	3	42	60	98	135	170	226	266						
	SAF-Q-312-G27	12	3	38	55	89	123	155	206	242						
	SAF-Q-406-G27	6	4	51	71	126	179	244	312	432						
	SAF-Q-409-G27	9	4	47	65	116	165	224	286	397						
	SAF-Q-412-G27	12	4	43	59	106	150	204	260	361						
	SAF-Q-509-G27	9	5	42	71	117	177	251	342	487						

SCIg60® Infusion System

Table 15a		Drug				Patient Information				Flow Controller											
		Gamunex-C or Gammaked				Adults				VersaRate Plus											
Values shaded in yellow are only suitable for maintenance infusions according to the drug's prescribing information. Values in red may exceed flow rate limits.																					
SUB-Q Set				Total Flow Rate for ALL sites with VersaRate Plus Flow Controller (mL/h)																	
Gauge	REF#	Length (mm)	# of Needles	1	2	3	4	5	6	7	8	9	10								
27G	SUB-104-G27	4	1	42									122								
	SUB-106-G27	6	1	40									115								
	SUB-109-G27	9	1	36									106								
	SUB-112-G27	12	1	33									96								
	SUB-204-G27	4	2	51	96								227								
	SUB-250	6	2	48	91								215								
	SUB-260	9	2	44	84								197								
	SUB-212-G27	12	2	40	76								180								
	SUB-310	6	3	50	99								334								
	SUB-320	9	3	46	91								307								
	SUB-312-G27	12	3	42	83								279								
	SUB-400	6	4	56	107								426								
	SUB-410	9	4	51	98								391								
	SUB-412-G27	12	4	47	90								355								
	SUB-414-G27	14	4	43	84								332								
	SUB-506	6	5	57	113	178							528								
	SUB-509	9	5	53	104	163							485								
	SUB-606	6	6	56	112	175							593								
	SUB-609	9	6	52	102	161							544								
	SAF-Q-106-G27	6	1	40									115								
	SAF-Q-109-G27	9	1	36									106								
	SAF-Q-112-G27	12	1	33									96								
	SAF-Q-206-G27	6	2	48	91								215								
	SAF-Q-209-G27	9	2	44	84								197								
	SAF-Q-212-G27	12	2	40	76								180								
	SAF-Q-306-G27	6	3	50	99								334								
	SAF-Q-309-G27	9	3	46	91								307								
	SAF-Q-312-G27	12	3	42	83								279								
	SAF-Q-406-G27	6	4	56	107								426								
	SAF-Q-409-G27	9	4	51	98								391								
	SAF-Q-412-G27	12	4	47	90								355								
	SAF-Q-509-G27	9	5	53	104	163							485								
	SAF-Q-609-G27	9	6	52	102	161							544								

Table 15b		Drug				Patient Information				Flow Controller											
		Gamunex-C or Gammaked				Pediatrics 25 kg (55 lb) and over				VersaRate Plus											
Values shaded in yellow are only suitable for maintenance infusions according to the drug's prescribing information. Values in red may exceed flow rate limits.																					
SUB-Q Set				Total Flow Rate for ALL sites with VersaRate Plus Flow Controller (mL/h)																	
Gauge	REF#	Length (mm)	# of Needles	1	2	3	4	5	6	7	8	9	10	11	OPEN						
27G	SUB-104-G27	4	1	42										122							
	SUB-106-G27	6	1	40										115							
	SUB-109-G27	9	1	36										106							
	SUB-112-G27	12	1	33										96							
	SUB-204-G27	4	2	51	96									227							
	SUB-250	6	2	48	91									215							
	SUB-260	9	2	44	84									197							
	SUB-212-G27	12	2	40	76									180							
	SUB-310	6	3	50	99									334							
	SUB-320	9	3	46	91									307							
	SUB-312-G27	12	3	42	83									279							
	SUB-400	6	4	56	107									426							
	SUB-410	9	4	51	98									391							
	SUB-412-G27	12	4	47	90									355							
	SUB-414-G27	14	4	43	84									332							
	SUB-506	6	5	57	113	178								528							
	SUB-509	9	5	53	104	163								485							
	SUB-606	6	6	56	112	175								593							
	SUB-609	9	6	52	102	161								544							
	SAF-Q-106-G27	6	1	40										115							
	SAF-Q-109-G27	9	1	36										106							
	SAF-Q-112-G27	12	1	33										96							
	SAF-Q-206-G27	6	2	48	91									215							
	SAF-Q-209-G27	9	2	44	84									197							
	SAF-Q-212-G27	12	2	40	76									180							
	SAF-Q-306-G27	6	3	50	99									334							
	SAF-Q-309-G27	9	3	46	91									307							
	SAF-Q-312-G27	12	3	42	83									279							
	SAF-Q-406-G27	6	4	56	107									426							
	SAF-Q-409-G27	9	4	51	98									391							
	SAF-Q-412-G27	12	4	47	90									355							
	SAF-Q-509-G27	9	5	53	104	163								485							
	SAF-Q-609-G27	9	6	52	102	161								544							

SCIg60® Infusion System

Gamunex-C or Gammaked with VersaRate Plus for Pediatrics Under 25 kg (55lbs)

For pediatric patients weighing less than 25kg, the infusion flow rate limit is 10ml/hr/site for both initial and maintenance infusions. As shown in Table 15c, most configurations with VersaRate Plus have flow rates that exceed this limit.

Table 15c		Drug				Patient Information				Flow Controller											
		Gamunex-C or Gammaked				Pediatrics under 25 kg (55 lb)				VersaRate Plus											
Values shaded in yellow are only suitable for maintenance infusions according to the drug's prescribing information. Values in red may exceed flow rate limits.																					
SUB-Q Set						Total Flow Rate for ALL sites with VersaRate Plus Flow Controller (mL/h)															
Gauge	REF#	Length (mm)	# of Needles	1	2	3	4	5	6	7	8	9	10	11	OPEN						
27G	SUB-104-G27	4	1	42										122							
	SUB-106-G27	6	1	40										115							
	SUB-109-G27	9	1	36										106							
	SUB-112-G27	12	1	33										96							
	SUB-204-G27	4	2	51	96									227							
	SUB-250	6	2	48	91									215							
	SUB-260	9	2	44	84									197							
	SUB-212-G27	12	2	40	76									180							
	SUB-310	6	3	50	99									334							
	SUB-320	9	3	46	91									307							
	SUB-312-G27	12	3	42	83									279							
	SUB-400	6	4	56	107									426							
	SUB-410	9	4	51	98									391							
	SUB-412-G27	12	4	47	90									355							
	SUB-414-G27	14	4	43	84									332							
	SUB-506	6	5	57	113	178								528							
	SUB-509	9	5	53	104	163								485							
	SUB-606	6	6	56	112	175								593							
	SUB-609	9	6	52	102	161								544							
	SAF-Q-106-G27	6	1	40										115							
	SAF-Q-109-G27	9	1	36										106							
	SAF-Q-112-G27	12	1	33										96							
	SAF-Q-206-G27	6	2	48	91									215							
	SAF-Q-209-G27	9	2	44	84									197							
	SAF-Q-212-G27	12	2	40	76									180							
	SAF-Q-306-G27	6	3	50	99									334							
	SAF-Q-309-G27	9	3	46	91									307							
	SAF-Q-312-G27	12	3	42	83									279							
	SAF-Q-406-G27	6	4	56	107									426							
	SAF-Q-409-G27	9	4	51	98									391							
	SAF-Q-412-G27	12	4	47	90									355							
	SAF-Q-509-G27	9	5	53	104	163								485							
	SAF-Q-609-G27	9	6	52	102	161								544							

User Manual (International)

Infusing Gammanorm

The tables below show system total flow rates without system tolerance or other factors that may affect flow rate for infusing Gammanorm. Cells shaded in white may be suitable for initial and maintenance infusions. Values that are shaded in yellow may only be suitable for maintenance infusions. Flow rates that exceed the prescribing information limits are shaded red and are for informational purpose only. Cells shaded in gray do not have values listed because testing has not been performed. Please confirm the drug manufacturer's prescribing information for your region.

Table Legend:

	Suitable for initial and maintenance infusions (up to 15 mL/h/site)
	Suitable for maintenance infusions only (up to 25 mL/h/site)
	May exceed the prescribing information (Exceeds 25 mL/h/site)
	No data available

Table 16		Drug			Flow Controller				
		Gammanorm			VersaRate				
SUB-Q Set				Total Flow Rate for ALL sites with VersaRate Flow Controller (mL/h)					
Gauge	REF#	Length (mm)	# of Needles	1	2	3	4	5	6
24G	SUB-109-G24	9	1	19	28				100
	SUB-112-G24	12	1	17	25				91
	SUB-209-G24	9	2	20	34	48	72		173
	SUB-212-G24	12	2	18	31	44	66		157
	SUB-309-G24	9	3	21	39	60	110		254
	SUB-312-G24	12	3	19	35	54	100		231
	SAF-Q-106-G24	6	1	21	31				109
	SAF-Q-109-G24	9	1	19	28				100
	SAF-Q-309-G24	9	3	21	39	60	110		254
27G	SUB-104-G27	4	1	13	17	22	24	28	29
	SUB-106-G27	6	1	12	16	21	23	27	27
	SUB-109-G27	9	1	11	15	19	21	24	25
	SUB-112-G27	12	1	10	14	17	19	22	23
	SUB-204-G27	4	2	16	26	35	43	50	56
	SUB-250	6	2	16	24	33	41	48	53
	SUB-260	9	2	14	22	30	37	44	48
	SUB-212-G27	12	2	13	20	27	34	40	44
	SUB-310	6	3	17	30	41	53	69	73
	SUB-320	9	3	16	27	37	49	64	67
	SUB-312-G27	12	3	14	25	34	44	58	61
	SAF-Q-106-G27	6	1	12	16	21	23	27	27
	SAF-Q-109-G27	9	1	11	15	19	21	24	25
	SAF-Q-112-G27	12	1	10	14	17	19	22	23
	SAF-Q-206-G27	6	2	16	24	33	41	48	53
	SAF-Q-209-G27	9	2	14	22	30	37	44	48

SCIg60® Infusion System

Table 16

**Drug
Gammanorm**

**Flow Controller
VersaRate**

Values shaded in yellow are only suitable for maintenance infusions according to the drug's prescribing information.
Values in red may exceed flow rate limits.

SUB-Q Set			Total Flow Rate for ALL sites with VersaRate Flow Controller (mL/h)						
Gauge	REF#	Length (mm)	# of Needles	1	2	3	4	5	6
	SAF-Q-212-G27	12	2	13	20	27	34	40	44
	SAF-Q-306-G27	6	3	17	30	41	53	69	73
	SAF-Q-309-G27	9	3	16	27	37	49	64	67
	SAF-Q-312-G27	12	3	14	25	34	44	58	61

Table 17

**Drug
Gammanorm**

**Flow Controller
VersaRate Plus**

Values shaded in yellow are only suitable for maintenance infusions according to the drug's prescribing information. Values in red may exceed flow rate limits.

SUB-Q Set			Total Flow Rate for ALL sites with VersaRate Plus Flow Controller (mL/h)												
Gauge	REF#	Length (mm)	# of Needles	1	2	3	4	5	6	7	8	9	10	11	OPEN
27G	SUB-104-G27	4	1	9	19	22	23	24	24	25	25	25	26	26	29
	SUB-106-G27	6	1	8	18	21	22	23	23	24	24	24	24	24	27
	SUB-109-G27	9	1	8	16	19	20	21	21	22	22	22	22	22	25
	SUB-112-G27	12	1	7	15	17	18	19	19	20	20	20	20	20	23
	SUB-204-G27	4	2	14	31	38	43	46	49	51	52	53	54	55	57
	SUB-250	6	2	14	29	36	41	44	46	48	49	51	52	52	54
	SUB-260	9	2	12	27	33	37	40	42	44	45	46	47	48	49
	SUB-212-G27	12	2	11	24	30	34	37	39	40	41	42	43	44	45
	SUB-310	6	3	16	34	49	62	69	73	76	77	78	79	79	82
	SUB-320	9	3	15	31	45	57	63	67	70	71	72	72	73	76
	SUB-312-G27	12	3	13	28	41	52	58	61	63	65	65	66	66	69
	SUB-400	6	4	19	44	61	73	82	88	94	98	101	104	106	113
	SUB-410	9	4	18	40	56	67	75	81	86	90	93	95	97	103
	SUB-412-G27	12	4	16	37	51	61	68	74	78	81	84	87	88	94
	SUB-414-G27	14	4	15	34	48	57	64	69	73	76	79	81	83	88
	SAF-Q-106-G27	6	1	8	18	21	22	23	23	24	24	24	24	24	27
	SAF-Q-109-G27	9	1	8	16	19	20	21	21	22	22	22	22	22	25
	SAF-Q-112-G27	12	1	7	15	17	18	19	19	20	20	20	20	20	23
	SAF-Q-206-G27	6	2	14	29	36	41	44	46	48	49	51	52	52	54
	SAF-Q-209-G27	9	2	12	27	33	37	40	42	44	45	46	47	48	49
	SAF-Q-212-G27	12	2	11	24	30	34	37	39	40	41	42	43	44	45

User Manual (International)

Table 17			Drug						Flow Controller											
			Gammanorm						VersaRate Plus											
Values shaded in yellow are only suitable for maintenance infusions according to the drug's prescribing information. Values in red may exceed flow rate limits.																				
SUB-Q Set			Total Flow Rate for ALL sites with VersaRate Plus Flow Controller (mL/h)																	
Gauge	REF#	Length (mm)	# of Needles	1	2	3	4	5	6	7	8	9	10	11	OPEN					
	SAF-Q-306-G27	6	3	16	34	49	62	69	73	76	77	78	79	79	82					
	SAF-Q-309-G27	9	3	15	31	45	57	63	67	70	71	72	72	73	76					
	SAF-Q-312-G27	12	3	13	28	41	52	58	61	63	65	65	66	66	69					
	SAF-Q-406-G27	6	4	19	44	61	73	82	88	94	98	101	104	106	113					
	SAF-Q-409-G27	9	4	18	40	56	67	75	81	86	90	93	95	97	103					
	SAF-Q-412-G27	12	4	16	37	51	61	68	74	78	81	84	87	88	94					

SC Ig60® Infusion System

Infusing Hizentra

The tables below show system total flow rates without system tolerance or other factors that may affect flow rate for infusing Hizentra. Cells shaded in white may be suitable for initial and maintenance infusions. Values that are shaded in yellow may only be suitable for maintenance infusions. Flow rates that exceed the prescribing information limits are shaded red and are for informational purpose only. Cells shaded in gray do not have values listed because testing has not been performed. Please confirm the drug manufacturer's prescribing information for your region.

Table Legend:

	Suitable for initial and maintenance infusions (up to 20 mL/h/site)
	Suitable for maintenance infusions only (up to 50 mL/h/site)
	May exceed the prescribing information (Exceeds 50 mL/h/site)
	No data available

Table 18			Drug						Flow Controller											
			Hizentra						Infuset											
			Values shaded in yellow are only suitable for maintenance infusions according to the drug's prescribing information. Values in red may exceed flow rate limits.																	
			Total Flow Rate for ALL sites with Infuset Flow Controller (mL/h)																	
Gauge	REF#	Length (mm)	# of Needles	Infuset-45	Infuset-80	Infuset-120	Infuset-190	Infuset-290	Infuset-430	Infuset-650	Infuset-820	Infuset-930	Infuset-1850	Infuset-3200	Infuset-4000	Infuset-4300				
24G	SUB-109-G24	9	1				12	16	23	30		37	58							
	SUB-112-G24	12	1				11	15	21	27		33	53							
	SUB-209-G24	9	2						26	35	48	52	103							
	SUB-212-G24	12	2						24	32	44	48	94							
	SUB-309-G24	9	3						39	49	51	51	136							
	SUB-312-G24	12	3						35	45	47	47	124							
	SUB-409-G24	9	4						39	48	52	111	227							
	SUB-412-G24	12	4						35	44	47	101	206							
	SUB-512-G24	12	5						39		52	100	211							
	SUB-612-G24	12	6						39	47	53	117	263							
	SAF-Q-106-G24	6	1				13	17	25	32		40	63							
	SAF-Q-109-G24	9	1				12	16	23	30		37	58							
	SAF-Q-309-G24	9	3						39	49	51	51	136							
26G	OPT12604	4	1				11	17	19	27	35	34	55							
	OPT12606	6	1				11	17	19	27	35	34	55							
	OPT12609	9	1				11	17	19	27	35	34	55							
	OPT12612	12	1				11	17	19	27	35	34	55							
	OPT12614	14	1				11	16	17	25	33	32	52							
	OPT22604	4	2						22	36	49	49	109	124						
	OPT22606	6	2						22	36	49	49	109	124						
	OPT22609	9	2						22	36	49	49	109	124						
	OPT22612	12	2						22	36	49	49	109	124						
	OPT22614	14	2						21	33	46	46	103	117						
	OPT32606	6	3						38	55	55	138	178							

User Manual (International)

Table 18			Drug				Flow Controller										
			Hizentra				Infuset										
Values shaded in yellow are only suitable for maintenance infusions according to the drug's prescribing information. Values in red may exceed flow rate limits.																	
SUB-Q Set			Total Flow Rate for ALL sites with Infuset Flow Controller (mL/h)														
Gauge	REF#	Length (mm)	# of Needles	Infuset-45	Infuset-80	Infuset-120	Infuset-190	Infuset-290	Infuset-430	Infuset-650	Infuset-820	Infuset-930					
27G	OPT32609	9	3						38	55	55	138	178				
	OPT32612	12	3						38	55	55	138	178				
	OPT32614	14	3						36	51	52	130	168				
	OPT42606	6	4						42	58	57	163	225				
	OPT42609	9	4						42	58	57	163	225				
	OPT42612	12	4						42	58	57	163	225				
	OPT42614	14	4						39	55	53	153	211				
	OPT52606	6	5						62	65	183	248					
	OPT52609	9	5						62	65	183	248					
	OPT52612	12	5						62	65	183	248					
27G	OPT62609	9	6						65	66	200	275					
	OPT62612	12	6						65	66	200	275					
	SUB-104-G27	4	1						16	18		20					
	SUB-106-G27	6	1						15	17		19					
	SUB-109-G27	9	1						14	15		17					
	SUB-112-G27	12	1						12	14		16					
	SUB-204-G27	4	2								29	34					
	SUB-250	6	2								27	32					
	SUB-260	9	2								25	30					
	SUB-212-G27	12	2								23	27					
	SUB-310	6	3								36	46					
	SUB-320	9	3								33	43					
	SUB-312-G27	12	3								30	39					
	SUB-400	6	4								40	53					
	SUB-410	9	4								37	49					
	SUB-412-G27	12	4								33	44					
	SUB-414-G27	14	4								31	42					
	SUB-506	6	5								46	63					
	SUB-509	9	5								42	57					
	SUB-606	6	6								44	46	76				
	SUB-609	9	6								41	42	70				
	SAF-Q-106-G27	6	1						15	17		19					
	SAF-Q-109-G27	9	1						14	15		17					
	SAF-Q-112-G27	12	1						12	14		16					
	SAF-Q-206-G27	6	2								27	32					
	SAF-Q-209-G27	9	2								25	30					
	SAF-Q-212-G27	12	2								23	27					
	SAF-Q-306-G27	6	3								36	46					

SCIg60® Infusion System

Table 18			Drug				Flow Controller									
			Hizentra				Infuset									
Values shaded in yellow are only suitable for maintenance infusions according to the drug's prescribing information.																
SUB-Q Set			Total Flow Rate for ALL sites with Infuset Flow Controller (mL/h)													
Gauge	REF#	Length (mm)	# of Needles	Infuset-45	Infuset-80	Infuset-120	Infuset-190	Infuset-290	Infuset-430	Infuset-650	Infuset-820	Infuset-930	Infuset-1850	Infuset-3200	Infuset-4000	Infuset-4300
	SAF-Q-309-G27	9	3									33	43			
	SAF-Q-312-G27	12	3									30	39			
	SAF-Q-406-G27	6	4									40	53			
	SAF-Q-409-G27	9	4									37	49			
	SAF-Q-412-G27	12	4									33	44			
	SAF-Q-509-G27	9	5									42	57			
	SAF-Q-609-G27	9	6									41	42	70		

Table 19			Drug				Flow Controller									
			Hizentra				VersaRate									
Values shaded in yellow are only suitable for maintenance infusions according to the drug's prescribing information. Values in red may exceed flow rate limits.																
SUB-Q Set			Total Flow Rate for ALL sites with VersaRate Flow Controller (mL/h)													
Gauge	REF#	Length (mm)	# of Needles	1	2	3	4	5	6							
24G	SUB-109-G24	9	1	14	24	33	44	57	77							
	SUB-112-G24	12	1	13	22	30	40	52	71							
	SUB-209-G24	9	2	15	27	43	64	101	169							
	SUB-212-G24	12	2	14	25	39	58	92	153							
	SUB-309-G24	9	3	17	27	50	76	123	244							
	SUB-312-G24	12	3	16	25	45	69	112	222							
	SUB-409-G24	9	4	17	30	49	80	149	307							
	SUB-412-G24	12	4	15	27	44	73	136	279							
	SUB-512-G24	12	5	16	31	49	79	141	300							
	SUB-612-G24	12	6	16	32	50	79	156	354							
	SAF-Q-106-G24	6	1	16	26	36	48	62	84							
	SAF-Q-109-G24	9	1	14	24	33	44	57	77							
	SAF-Q-309-G24	9	3	17	27	50	76	123	244							
26G	OPT12604	4	1	13	21	30	38	53	64							
	OPT12606	6	1	13	21	30	38	53	64							
	OPT12609	9	1	13	21	30	38	53	64							
	OPT12612	12	1	13	21	30	38	53	64							
	OPT12614	14	1	13	20	28	36	50	61							
	OPT22604	4	2		26	39	59	90	142							

User Manual (International)

Table 19		Drug				Flow Controller			
		Hizentra				VersaRate			
Values shaded in yellow are only suitable for maintenance infusions according to the drug's prescribing information. Values in red may exceed flow rate limits.									
SUB-Q Set			Total Flow Rate for ALL sites with VersaRate Flow Controller (mL/h)						
Gauge	REF#	Length (mm)	# of Needles	1	2	3	4	5	6
22G	OPT22606	6	2		26	39	59	90	142
	OPT22609	9	2		26	39	59	90	142
	OPT22612	12	2		26	39	59	90	142
	OPT22614	14	2		25	36	56	85	134
	OPT32606	6	3		28	43	67	116	218
	OPT32609	9	3		28	43	67	116	218
	OPT32612	12	3		28	43	67	116	218
	OPT32614	14	3		26	41	63	109	205
	OPT42606	6	4			47	75	140	291
	OPT42609	9	4			47	75	140	291
	OPT42612	12	4			47	75	140	291
	OPT42614	14	4			44	71	132	274
	OPT52606	6	5			48	82	144	335
	OPT52609	9	5			48	82	144	335
	OPT52612	12	5			48	82	144	335
	OPT62609	9	6				81	154	402
	OPT62612	12	6				81	154	402
27G	SUB-104-G27	4	1	11	14	17	18	20	21
	SUB-106-G27	6	1	11	13	16	17	19	20
	SUB-109-G27	9	1	10	12	15	16	17	18
	SUB-112-G27	12	1	9	11	13	14	16	16
	SUB-204-G27	4	2	12	19	26	32	36	42
	SUB-250	6	2	12	18	24	30	34	39
	SUB-260	9	2	11	17	22	28	31	36
	SUB-212-G27	12	2	10	15	20	25	28	33
	SUB-310	6	3	14	23	33	40	50	64
	SUB-320	9	3	13	21	30	37	46	59
	SUB-312-G27	12	3	11	19	27	33	42	54
	SUB-400	6	4	14	26	37	51	66	80
	SUB-410	9	4	13	24	34	47	61	73
	SUB-412-G27	12	4	12	22	31	43	55	67
	SUB-414-G27	14	4	11	20	28	40	52	62
	SUB-506	6	5	16	26	37	53	73	94
	SUB-509	9	5	15	24	34	49	67	87
	SUB-606	6	6	16	28	40	58	82	117
	SUB-609	9	6	14	25	37	53	75	108
	SAF-Q-106-G27	6	1	11	13	16	17	19	20
	SAF-Q-109-G27	9	1	10	12	15	16	17	18
	SAF-Q-112-G27	12	1	9	11	13	14	16	16

SCIg60® Infusion System

Table 19

				Drug			Flow Controller					
				Hizentra			VersaRate					
Values shaded in yellow are only suitable for maintenance infusions according to the drug's prescribing information. Values in red may exceed flow rate limits.												
SUB-Q Set				Total Flow Rate for ALL sites with VersaRate Flow Controller (mL/h)								
Gauge	REF#	Length (mm)	# of Needles	1	2	3	4	5	6			
	SAF-Q-206-G27	6	2	12	18	24	30	34	39			
	SAF-Q-209-G27	9	2	11	17	22	28	31	36			
	SAF-Q-212-G27	12	2	10	15	20	25	28	33			
	SAF-Q-306-G27	6	3	14	23	33	40	50	64			
	SAF-Q-309-G27	9	3	13	21	30	37	46	59			
	SAF-Q-312-G27	12	3	11	19	27	33	42	54			
	SAF-Q-406-G27	6	4	14	26	37	51	66	80			
	SAF-Q-409-G27	9	4	13	24	34	47	61	73			
	SAF-Q-412-G27	12	4	12	22	31	43	55	67			
	SAF-Q-509-G27	9	5	15	24	34	49	67	87			
	SAF-Q-609-G27	9	6	14	25	37	53	75	108			

Table 20

				Drug			Flow Controller						
				Hizentra			VersaRate Plus						
Values shaded in yellow are only suitable for maintenance infusions according to the drug's prescribing information. Values in red may exceed flow rate limits.													
SUB-Q Set				Total Flow Rate for ALL sites with VersaRate Plus Flow Controller (mL/h)									
Gauge	REF#	Length (mm)	# of Needles	1	2	3	4	5	6	7	8	9	
24G	SUB-109-G24	9	1	31	41	50	58	63	67	70	72	73	73
	SUB-112-G24	12	1	28	38	46	52	58	61	64	65	66	67
	SUB-209-G24	9	2	36	60	80	97	112	123	131	136	139	148
	SUB-212-G24	12	2	33	54	73	89	102	112	119	124	126	143
	SUB-309-G24	9	3	40	69	95	118	138	155	169	179	186	227
	SUB-312-G24	12	3	36	62	86	107	126	141	154	163	169	206
	SUB-409-G24	9	4	34	76	112	144	171	194	214	232	247	310
	SUB-412-G24	12	4	31	69	102	131	155	177	195	211	224	236
	SAF-Q-106-G24	6	1	33	45	55	63	69	74	77	78	79	80
	SAF-Q-109-G24	9	1	31	41	50	58	63	67	70	72	73	73
	SAF-Q-112-G24-70	12	1	29	42	53	61	67	71	74	75	76	83
	SAF-Q-206-G24-70	6	2	39	66	86	103	115	123	129	134	137	152
	SAF-Q-209-G24-70	9	2	36	60	79	94	105	113	119	123	126	128
	SAF-Q-212-G24-70	12	2	33	55	72	86	96	103	108	112	114	127

User Manual (International)

Table 20		Drug							Flow Controller						
		Hizentra							VersaRate Plus						
Values shaded in yellow are only suitable for maintenance infusions according to the drug's prescribing information. Values in red may exceed flow rate limits.															
SUB-Q Set				Total Flow Rate for ALL sites with VersaRate Plus Flow Controller (mL/h)											
Gauge	REF#	Length (mm)	# of Needles	1	2	3	4	5	6	7	8	9	10	11	OPEN
26G	SAF-Q-309-G24	9	3	40	69	95	118	138	155	169	179	186	189	227	
	SAF-Q-312-G24-70	12	3	37	73	105	134	159	181	199	213	223	229	254	
	SAF-Q-409-G24-70	9	4	43	84	123	159	191	221	246	268	285	299	366	
	SAF-Q-412-G24-70	12	4	39	77	113	146	176	202	226	246	262	274	336	
26G	OPT12604	4	1	12	24	43	51							70	
	OPT12606	6	1	12	24	43	51							70	
	OPT12609	9	1	12	24	43	51							70	
	OPT12612	12	1	12	24	43	51							70	
	OPT12614	14	1	12	22	40	48							66	
	OPT22604	4	2	16	32	57	71	97						142	
	OPT22606	6	2	16	32	57	71	97						142	
	OPT22609	9	2	16	32	57	71	97						142	
	OPT22612	12	2	16	32	57	71	97						142	
	OPT22614	14	2	15	30	53	67	91						133	
	OPT32606	6	3		32	74	92	126	135					232	
	OPT32609	9	3		32	74	92	126	135					232	
	OPT32612	12	3		32	74	92	126	135					232	
	OPT32614	14	3		30	69	87	119	127					218	
	OPT42606	6	4		38	77	103	152	160	196				300	
	OPT42609	9	4		38	77	103	152	160	196				300	
	OPT42612	12	4		38	77	103	152	160	196				300	
	OPT42614	14	4		36	72	97	143	151	184				282	
	OPT52606	6	5			84	113	155	186	225				352	
	OPT52609	9	5			84	113	155	186	225				352	
	OPT52612	12	5			84	113	155	186	225				352	
	OPT62609	9	6				106	167	199	252	271			411	
	OPT62612	12	6				106	167	199	252	271			411	
27G	SUB-104-G27	4	1		15	17	18	20	20	21	21	21	22	22	
	SUB-106-G27	6	1		14	16	17	19	19	20	20	20	21	21	
	SUB-109-G27	9	1		13	15	16	17	18	18	18	19	19	19	
	SUB-112-G27	12	1		12	13	15	15	16	17	17	17	17	17	
	SUB-106-G27-70	6	1		16	18	20	21	22	23	24	24	24	24	
	SUB-109-G27-70	9	1		15	17	18	19	20	21	22	22	22	22	
	SUB-112-G27-70	12	1		13	15	16	18	19	19	20	20	20	20	
	SUB-204-G27	4	2		23	29	34	37	38	39	39	39	40	41	
	SUB-250	6	2		22	28	32	35	36	37	37	37	38	40	
	SUB-260	9	2		20	26	30	32	33	34	34	34	35	37	
	SUB-212-G27	12	2		18	23	27	29	30	31	31	31	32	34	
	SUB-310	6	3		27	37	44	50	54	56	58	58	58	63	

SCIg60® Infusion System

Table 20		Drug							Flow Controller									
		Hizentra							VersaRate Plus									
Values shaded in yellow are only suitable for maintenance infusions according to the drug's prescribing information. Values in red may exceed flow rate limits.																		
SUB-Q Set				Total Flow Rate for ALL sites with VersaRate Plus Flow Controller (mL/h)														
Gauge	REF#	Length (mm)	# of Needles	1	2	3	4	5	6	7	8	9	10	11	OPEN			
	SUB-320	9	3	25	34	41	46	49	52	53	53	54	54	58				
	SUB-312-G27	12	3	23	31	37	42	45	47	48	49	49	49	53				
	SUB-400	6	4	34	47	57	65	70	74	77	79	82	85	90				
	SUB-410	9	4	31	43	52	59	64	68	71	73	75	78	82				
	SUB-412-G27	12	4	28	39	48	54	58	62	64	66	69	71	75				
	SUB-414-G27	14	4	26	37	44	50	55	58	60	62	64	67	70				
	SUB-506	6	5	20	45	63	77	86	92	96	98	101	103	108				
	SUB-509	9	5	19	41	58	70	79	84	88	90	92	95	99				
	SUB-606	6	6	16	45	68	85	98	107	114	119	123	127	133				
	SUB-609	9	6	14	41	62	78	90	98	104	109	113	117	122				
	SAF-Q-106-G27	6	1	14	16	17	19	19	20	20	20	21	21	21				
	SAF-Q-109-G27	9	1	13	15	16	17	18	18	18	19	19	19	19				
	SAF-Q-112-G27	12	1	12	13	15	15	16	17	17	17	17	17	17				
	SAF-Q-109-G27-70	9	1	15	17	18	19	20	21	22	22	22	22	22				
	SAF-Q-206-G27	6	2	22	28	32	35	36	37	37	37	38	38	40				
	SAF-Q-209-G27	9	2	20	26	30	32	33	34	34	34	35	35	37				
	SAF-Q-212-G27	12	2	18	23	27	29	30	31	31	31	31	32	34				
	SAF-Q-306-G27	6	3	27	37	44	50	54	56	58	58	58	58	63				
	SAF-Q-309-G27	9	3	25	34	41	46	49	52	53	53	54	54	58				
	SAF-Q-312-G27	12	3	23	31	37	42	45	47	48	49	49	49	53				
	SAF-Q-406-G27	6	4	34	47	57	65	70	74	77	79	82	85	90				
	SAF-Q-409-G27	9	4	31	43	52	59	64	68	71	73	75	78	82				
	SAF-Q-412-G27	12	4	28	39	48	54	58	62	64	66	69	71	75				
	SAF-Q-509-G27	9	5	19	41	58	70	79	84	88	90	92	95	99				
	SAF-Q-609-G27	9	6	14	41	62	78	90	98	104	109	113	117	122				

User Manual (International)

Infusing Subcuvia

The tables below show system total flow rates without system tolerance or other factors that may affect flow rate for infusing Subcuvia. Cells shaded in white may be suitable for initial and maintenance infusions. Values that are shaded in yellow may only be suitable for maintenance infusions. Flow rates that exceed the prescribing information limits are shaded red and are for informational purpose only. Cells shaded in gray do not have values listed because testing has not been performed. Please confirm the drug manufacturer's prescribing information for your region.

Table Legend:

	Suitable for initial and maintenance infusions (up to 10 mL/h/site)
	Suitable for maintenance infusions only (up to 20 mL/h/site)
	May exceed the prescribing information (Exceeds 20 mL/h/site)
	No data available

Table 21

Drug				Flow Controller					
Subcuvia				VersaRate					
SUB-Q Set				Total Flow Rate for ALL sites with VersaRate Flow Controller (mL/h)					
Gauge	REF#	Length (mm)	# of Needles	1	2	3	4	5	6
24G	SUB-109-G24	9	1	21	30				108
	SUB-112-G24	12	1	19	27				98
	SUB-209-G24	9	2	22	37	52	78		186
	SUB-212-G24	12	2	20	33	47	71		169
	SUB-309-G24	9	3	22	42	64	119		273
	SUB-312-G24	12	3	20	38	58	108		249
	SAF-Q-106-G24	6	1	23	33				117
	SAF-Q-109-G24	9	1	21	30				108
27G	SAF-Q-309-G24	9	3	22	42	64	119		273
	SUB-104-G27	4	1	14	19	23	26	30	31
	SUB-106-G27	6	1	13	18	22	24	29	29
	SUB-109-G27	9	1	12	16	20	22	26	27
	SUB-112-G27	12	1	11	15	19	20	24	24
	SUB-204-G27	4	2	18	27	37	46	54	60
	SUB-250	6	2	17	26	35	44	51	57
	SUB-260	9	2	15	24	32	40	47	52
	SUB-212-G27	12	2	14	22	29	37	43	47
	SUB-310	6	3	19	32	44	57	75	79
	SUB-320	9	3	17	30	40	53	68	72
	SUB-312-G27	12	3	16	27	37	48	62	66
	SAF-Q-106-G27	6	1	13	18	22	24	29	29
	SAF-Q-109-G27	9	1	12	16	20	22	26	27
	SAF-Q-112-G27	12	1	11	15	19	20	24	24
	SAF-Q-206-G27	6	2	17	26	35	44	51	57
	SAF-Q-209-G27	9	2	15	24	32	40	47	52

SC Ig60® Infusion System

Table 21

		Drug				Flow Controller							
		Subcuvia				VersaRate							
Values shaded in yellow are only suitable for maintenance infusions according to the drug's prescribing information. Values in red may exceed flow rate limits.													
SUB-Q Set				Total Flow Rate for ALL sites with VersaRate Flow Controller (mL/h)									
Gauge	REF#	Length (mm)	# Needles	1	2	3	4	5	6				
	SAF-Q-212-G27	12	2	14	22	29	37	43	47				
	SAF-Q-306-G27	6	3	19	32	44	57	75	79				
	SAF-Q-309-G27	9	3	17	30	40	53	68	72				
	SAF-Q-312-G27	12	3	16	27	37	48	62	66				

Table 22

		Drug				Flow Controller									
		Subcuvia				VersaRate Plus									
Values shaded in yellow are only suitable for maintenance infusions according to the drug's prescribing information. Values in red may exceed flow rate limits.															
SUB-Q Set				Total Flow Rate for ALL sites with VersaRate Plus Flow Controller (mL/h)											
Gauge	REF#	Length (mm)	# Needles	1	2	3	4	5	6	7	8	9	10	11	OPEN
24G	SUB-109-G24	9	1	15	38	56	69	79	86	90	93	95	97	99	108
	SUB-112-G24	12	1	14	34	51	63	72	78	82	85	86	88	90	98
	SUB-209-G24	9	2	12	49	81	108	132	151	167	179	187	192	194	212
	SUB-212-G24	12	2	11	44	73	98	120	137	152	162	170	175	177	193
	SAF-Q-106-G24	6	1	16	41	61	75	86	93	98	101	103	105	107	118
	SAF-Q-109-G24	9	1	15	38	56	69	79	86	90	93	95	97	99	108
27G	SUB-104-G27	4	1	10	18	22	24	25	25	26	26	26	26	26	28
	SUB-106-G27	6	1	10	17	21	22	23	24	24	25	25	25	25	26
	SUB-109-G27	9	1	9	16	19	21	21	22	22	23	23	23	23	24
	SUB-112-G27	12	1	8	14	17	19	20	20	20	21	21	21	21	22
	SUB-204-G27	4	2	12	28	40	48	54	57	59	59	60	60	62	66
	SUB-250	6	2	11	27	38	46	51	54	55	56	56	57	59	62
	SUB-260	9	2	10	24	35	42	47	49	51	51	52	52	54	57
	SUB-212-G27	12	2	9	22	32	38	42	45	46	47	47	48	49	52
	SAF-Q-106-G27	6	1	10	17	21	22	23	24	24	25	25	25	25	26
	SAF-Q-109-G27	9	1	9	16	19	21	21	22	22	23	23	23	23	24
	SAF-Q-112-G27	12	1	8	14	17	19	20	20	20	21	21	21	21	22
	SAF-Q-206-G27	6	2	11	27	38	46	51	54	55	56	56	57	59	62
	SAF-Q-209-G27	9	2	10	24	35	42	47	49	51	51	52	52	54	57
	SAF-Q-212-G27	12	2	9	22	32	38	42	45	46	47	47	48	49	52

User Manual (International)

Infusing Xembify

The tables below show system total flow rates without system tolerance or other factors that may affect flow rate for infusing Xembify. Cells shaded in white may be suitable for initial and maintenance infusions (up to 25 mL/h/site). Flow rates that exceed the prescribing information limits are shaded red and are for informational purpose only. Cells shaded in gray do not have values listed because testing has not been performed. Please confirm the drug manufacturer's prescribing information for your region.

Table Legend:

	Suitable for initial and maintenance infusions (up to 25 mL/h/site)
	May exceed the prescribing information (Exceeds 25 mL/h/site)
	No data available

Table 23

Xembify

Flow Controller Infuset

Values shaded in red may exceed flow rate limits according to the drug's prescribing information.

SUB-Q Set			Total Flow Rate for ALL sites with Infuset Flow Controller (mL/h)										Flow Controller Infuset			
Gauge	REF#	Length (mm)	# of Needles	Infuset-45	Infuset-80	Infuset-120	Infuset-190	Infuset-290	Infuset-430	Infuset-650	Infuset-820	Infuset-930	Infuset-1850	Infuset-3200	Infuset-4000	Infuset-4300
24G	SUB-109-G24	9	1				12	16	23	30		37	58			
	SUB-112-G24	12	1				11	15	21	27		33	53			
	SUB-209-G24	9	2						26	35	48	52	103			
	SUB-212-G24	12	2						24	32	44	48	94			
	SUB-309-G24	9	3							39	49	51	136			
	SUB-312-G24	12	3							35	45	47	124			
	SUB-409-G24	9	4							39	48	52	111	227		
	SUB-412-G24	12	4							35	44	47	101	206		
	SUB-512-G24	12	5							39		52	100	211		
	SUB-612-G24	12	6							39	47	53	117	263		
26G	SAF-Q-106-G24	6	1				13	17	25	32		40	63			
	SAF-Q-109-G24	9	1				12	16	23	30		37	58			
	SAF-Q-309-G24	9	3							39	49	51	136			
	OPT12604	4	1				11	17	19	27	35	34	55			
	OPT12606	6	1				11	17	19	27	35	34	55			
	OPT12609	9	1				11	17	19	27	35	34	55			
	OPT12612	12	1				11	17	19	27	35	34	55			
	OPT12614	14	1				11	16	17	25	33	32	52			
	OPT22604	4	2						22	36	49	49	109	124		
	OPT22606	6	2						22	36	49	49	109	124		
	OPT22609	9	2						22	36	49	49	109	124		
	OPT22612	12	2						22	36	49	49	109	124		
	OPT22614	14	2						21	33	46	46	103	117		
	OPT32606	6	3							38	55	55	138	178		
	OPT32609	9	3							38	55	55	138	178		
	OPT32612	12	3							38	55	55	138	178		

SCIg60® Infusion System

Table 23			Drug				Flow Controller									
			Xembify				Infuset									
Values shaded in red may exceed flow rate limits according to the drug's prescribing information.																
SUB-Q Set			Total Flow Rate for ALL sites with Infuset Flow Controller (mL/h)													
Gauge	REF#	Length (mm)	# of Needles	Infuset-45	Infuset-80	Infuset-120	Infuset-190	Infuset-290	Infuset-430	Infuset-650	Infuset-820	Infuset-930	Infuset-1850	Infuset-3200	Infuset-4000	Infuset-4300
27G	OPT32614	14	3							36	51	52	130	168		
	OPT42606	6	4							42	58	57	163	225		
	OPT42609	9	4							42	58	57	163	225		
	OPT42612	12	4							42	58	57	163	225		
	OPT42614	14	4							39	55	53	153	211		
	OPT52606	6	5								62	65	183	248		
	OPT52609	9	5								62	65	183	248		
	OPT52612	12	5								62	65	183	248		
	OPT62609	9	6								65	66	200	275		
	OPT62612	12	6								65	66	200	275		
28G	SUB-104-G27	4	1							16	18		20			
	SUB-106-G27	6	1							15	17		19			
	SUB-109-G27	9	1							14	15		17			
	SUB-112-G27	12	1							12	14		16			
	SUB-204-G27	4	2									29	34			
	SUB-250	6	2									27	32			
	SUB-260	9	2									25	30			
	SUB-212-G27	12	2									23	27			
	SUB-310	6	3									36	46			
	SUB-320	9	3									33	43			
	SUB-312-G27	12	3									30	39			
	SUB-400	6	4									40	53			
	SUB-410	9	4									37	49			
	SUB-412-G27	12	4									33	44			
	SUB-414-G27	14	4									31	42			
	SUB-506	6	5									46	63			
	SUB-509	9	5									42	57			
	SUB-606	6	6									44	46	76		
	SUB-609	9	6									41	42	70		
	SAF-Q-106-G27	6	1							15	17		19			
	SAF-Q-109-G27	9	1							14	15		17			
	SAF-Q-112-G27	12	1							12	14		16			
	SAF-Q-206-G27	6	2									27	32			
	SAF-Q-209-G27	9	2									25	30			
	SAF-Q-212-G27	12	2									23	27			
	SAF-Q-306-G27	6	3									36	46			
	SAF-Q-309-G27	9	3									33	43			
	SAF-Q-312-G27	12	3									30	39			
	SAF-Q-406-G27	6	4									40	53			

User Manual (International)

Table 23			Drug				Flow Controller											
			Xembify				Infuset											
Values shaded in red may exceed flow rate limits according to the drug's prescribing information.																		
SUB-Q Set			Total Flow Rate for ALL sites with Infuset Flow Controller (mL/h)															
Gauge	REF#	Length (mm)	# of Needles	Infuset-45	Infuset-80	Infuset-120	Infuset-190	Infuset-290	Infuset-430	Infuset-650	Infuset-820	Infuset-930	Infuset-1850	Infuset-3200	Infuset-4000	Infuset-4300		
	SAF-Q-409-G27	9	4									37	49					
	SAF-Q-412-G27	12	4									33	44					
	SAF-Q-509-G27	9	5									42	57					
	SAF-Q-609-G27	9	6								41	42	70					

Table 24			Drug				Flow Controller			
			Xembify				VersaRate			
Values shaded in red may exceed flow rate limits according to the drug's prescribing information.										
SUB-Q Set			Total Flow Rate for ALL sites with VersaRate Flow Controller (mL/h)							
Gauge	REF#	Length (mm)	# of Needles	1	2	3	4	5	6	
24G	SUB-109-G24	9	1	14	24	33	44	57	77	
	SUB-112-G24	12	1	13	22	30	40	52	71	
	SUB-209-G24	9	2	15	27	43	64	101	169	
	SUB-212-G24	12	2	14	25	39	58	92	153	
	SUB-309-G24	9	3	17	27	50	76	123	244	
	SUB-312-G24	12	3	16	25	45	69	112	222	
	SUB-409-G24	9	4	17	30	49	80	149	307	
	SUB-412-G24	12	4	15	27	44	73	136	279	
	SUB-512-G24	12	5	16	31	49	79	141	300	
	SUB-612-G24	12	6	16	32	50	79	156	354	
	SAF-Q-106-G24	6	1	16	26	36	48	62	84	
	SAF-Q-109-G24	9	1	14	24	33	44	57	77	
26G	SAF-Q-309-G24	9	3	17	27	50	76	123	244	
	OPT12604	4	1	13	21	30	38	53	64	
	OPT12606	6	1	13	21	30	38	53	64	
	OPT12609	9	1	13	21	30	38	53	64	
	OPT12612	12	1	13	21	30	38	53	64	
	OPT12614	14	1	13	20	28	36	50	61	
	OPT22604	4	2		26	39	59	90	142	
	OPT22606	6	2		26	39	59	90	142	
	OPT22609	9	2		26	39	59	90	142	
	OPT22612	12	2		26	39	59	90	142	

SCIg60® Infusion System

Table 24			Drug			Flow Controller					
			Xembify			VersaRate					
Values shaded in red may exceed flow rate limits according to the drug's prescribing information.											
SUB-Q Set			Total Flow Rate for ALL sites with VersaRate Flow Controller (mL/h)								
Gauge	REF#	Length (mm)	# of Needles	1	2	3	4	5			
27G	OPT22614	14	2		25	36	56	85			
	OPT32606	6	3		28	43	67	116			
	OPT32609	9	3		28	43	67	116			
	OPT32612	12	3		28	43	67	116			
	OPT32614	14	3		26	41	63	109			
	OPT42606	6	4			47	75	140			
	OPT42609	9	4			47	75	140			
	OPT42612	12	4			47	75	140			
	OPT42614	14	4			44	71	132			
	OPT52606	6	5			48	82	144			
	OPT52609	9	5			48	82	144			
	OPT52612	12	5			48	82	144			
	OPT62609	9	6				81	154			
	OPT62612	12	6				81	154			
	SUB-104-G27	4	1	11	14	17	18	20			
27G	SUB-106-G27	6	1	11	13	16	17	19			
	SUB-109-G27	9	1	10	12	15	16	17			
	SUB-112-G27	12	1	9	11	13	14	16			
	SUB-204-G27	4	2	12	19	26	32	36			
	SUB-250	6	2	12	18	24	30	34			
	SUB-260	9	2	11	17	22	28	31			
	SUB-212-G27	12	2	10	15	20	25	28			
	SUB-310	6	3	14	23	33	40	50			
	SUB-320	9	3	13	21	30	37	46			
	SUB-312-G27	12	3	11	19	27	33	42			
	SUB-400	6	4	14	26	37	51	66			
	SUB-410	9	4	13	24	34	47	61			
	SUB-412-G27	12	4	12	22	31	43	55			
	SUB-414-G27	14	4	11	20	28	40	52			
	SUB-506	6	5	16	26	37	53	73			
	SUB-509	9	5	15	24	34	49	67			
	SUB-606	6	6	16	28	40	58	82			
	SUB-609	9	6	14	25	37	53	75			
	SAF-Q-106-G27	6	1	11	13	16	17	19			
	SAF-Q-109-G27	9	1	10	12	15	16	17			
	SAF-Q-112-G27	12	1	9	11	13	14	16			
	SAF-Q-206-G27	6	2	12	18	24	30	34			
	SAF-Q-209-G27	9	2	11	17	22	28	31			
	SAF-Q-212-G27	12	2	10	15	20	25	28			
	SAF-Q-306-G27	6	3	14	23	33	40	50			
								64			

User Manual (International)

Table 24			Drug			Flow Controller					
			Xembify			VersaRate					
Values shaded in red may exceed flow rate limits according to the drug's prescribing information.											
SUB-Q Set			Total Flow Rate for ALL sites with VersaRate Flow Controller (mL/h)								
Gauge	REF#	Length (mm)	# of Needles	1	2	3	4	5			
24G	SAF-Q-309-G27	9	3	13	21	30	37	46	59		
	SAF-Q-312-G27	12	3	11	19	27	33	42	54		
	SAF-Q-406-G27	6	4	14	26	37	51	66	80		
	SAF-Q-409-G27	9	4	13	24	34	47	61	73		
	SAF-Q-412-G27	12	4	12	22	31	43	55	67		
	SAF-Q-509-G27	9	5	15	24	34	49	67	87		
	SAF-Q-609-G27	9	6	14	25	37	53	75	108		

Table 25			Drug			Flow Controller											
			Xembify			VersaRate Plus											
Values shaded in red may exceed flow rate limits according to the drug's prescribing information.																	
SUB-Q Set			Total Flow Rate for ALL sites with VersaRate Plus Flow Controller (mL/h)														
Gauge	REF#	Length (mm)	# of Needles	1	2	3	4	5	6	7	8						
24G	SUB-109-G24	9	1	31	41	50	58	63	67	70	72	72	73	73			
	SUB-112-G24	12	1	28	38	46	52	58	61	64	65	66	66	67			
	SUB-209-G24	9	2	36	60	80	97	112	123	131	136	139	148	157			
	SUB-212-G24	12	2	33	54	73	89	102	112	119	124	126	134	143			
	SUB-309-G24	9	3	40	69	95	118	138	155	169	179	186	189	227			
	SUB-312-G24	12	3	36	62	86	107	126	141	154	163	169	172	206			
	SUB-409-G24	9	4	34	76	112	144	171	194	214	232	247	260	310			
	SUB-412-G24	12	4	31	69	102	131	155	177	195	211	224	236	282			
	SAF-Q-106-G24	6	1	33	45	55	63	69	74	77	78	79	79	80			
	SAF-Q-109-G24	9	1	31	41	50	58	63	67	70	72	73	73	73			
	SAF-Q-112-G24-70	12	1	29	42	53	61	67	71	74	75	76	77	83			
	SAF-Q-206-G24-70	6	2	39	66	86	103	115	123	129	134	137	140	152			
	SAF-Q-209-G24-70	9	2	36	60	79	94	105	113	119	123	126	128	139			
	SAF-Q-212-G24-70	12	2	33	55	72	86	96	103	108	112	114	117	127			
	SAF-Q-309-G24	9	3	40	69	95	118	138	155	169	179	186	189	227			
	SAF-Q-312-G24-70	12	3	37	73	105	134	159	181	199	213	223	229	254			
	SAF-Q-409-G24-70	9	4	43	84	123	159	191	221	246	268	285	299	366			
	SAF-Q-412-G24-70	12	4	39	77	113	146	176	202	226	246	262	274	336			

SCIg60® Infusion System

Table 25			Drug					Flow Controller										
			Xembify					VersaRate Plus										
Values shaded in red may exceed flow rate limits according to the drug's prescribing information.																		
SUB-Q Set			Total Flow Rate for ALL sites with VersaRate Plus Flow Controller (mL/h)															
Gauge	REF#	Length (mm)	# of Needles	1	2	3	4	5	6	7	8	9	10	11	OPEN			
26G	OPT12604	4	1	12	24	43	51								70			
	OPT12606	6	1	12	24	43	51								70			
	OPT12609	9	1	12	24	43	51								70			
	OPT12612	12	1	12	24	43	51								70			
	OPT12614	14	1	12	22	40	48								66			
	OPT22604	4	2	16	32	57	71	97							142			
	OPT22606	6	2	16	32	57	71	97							142			
	OPT22609	9	2	16	32	57	71	97							142			
	OPT22612	12	2	16	32	57	71	97							142			
	OPT22614	14	2	15	30	53	67	91							133			
	OPT32606	6	3		32	74	92	126	135						232			
	OPT32609	9	3		32	74	92	126	135						232			
	OPT32612	12	3		32	74	92	126	135						232			
	OPT32614	14	3		30	69	87	119	127						218			
	OPT42606	6	4		38	77	103	152	160	196					300			
	OPT42609	9	4		38	77	103	152	160	196					300			
	OPT42612	12	4		38	77	103	152	160	196					300			
	OPT42614	14	4		36	72	97	143	151	184					282			
	OPT52606	6	5			84	113	155	186	225					352			
	OPT52609	9	5			84	113	155	186	225					352			
	OPT52612	12	5			84	113	155	186	225					352			
	OPT62609	9	6				106	167	199	252	271				411			
	OPT62612	12	6				106	167	199	252	271				411			
27G	SUB-104-G27	4	1		15	17	18	20	20	21	21	21	22	22	22			
	SUB-106-G27	6	1		14	16	17	19	19	20	20	20	21	21	21			
	SUB-109-G27	9	1		13	15	16	17	18	18	18	19	19	19	19			
	SUB-112-G27	12	1		12	13	15	15	16	17	17	17	17	17	17			
	SUB-106-G27-70	6	1		16	18	20	21	22	23	24	24	24	24	24			
	SUB-109-G27-70	9	1		15	17	18	19	20	21	22	22	22	22	22			
	SUB-112-G27-70	12	1		13	15	16	18	19	19	20	20	20	20	20			
	SUB-204-G27	4	2		23	29	34	37	38	39	39	39	40	41	43			
	SUB-250	6	2		22	28	32	35	36	37	37	37	38	38	40			
	SUB-260	9	2		20	26	30	32	33	34	34	34	35	35	37			
	SUB-212-G27	12	2		18	23	27	29	30	31	31	31	31	32	34			
	SUB-310	6	3		27	37	44	50	54	56	58	58	58	58	63			
	SUB-320	9	3		25	34	41	46	49	52	53	53	54	54	58			
	SUB-312-G27	12	3		23	31	37	42	45	47	48	49	49	49	53			
	SUB-400	6	4		34	47	57	65	70	74	77	79	82	85	90			
	SUB-410	9	4		31	43	52	59	64	68	71	73	75	78	82			

User Manual (International)

Table 25			Drug					Flow Controller										
			Xembify					VersaRate Plus										
Values shaded in red may exceed flow rate limits according to the drug's prescribing information.																		
SUB-Q Set			Total Flow Rate for ALL sites with VersaRate Plus Flow Controller (mL/h)															
Gauge	REF#	Length (mm)	# of Needles	1	2	3	4	5	6	7	8	9	10	11	OPEN			
	SUB-412-G27	12	4	28	39	48	54	58	62	64	66	69	71	75				
	SUB-414-G27	14	4	26	37	44	50	55	58	60	62	64	67	70				
	SUB-506	6	5	20	45	63	77	86	92	96	98	101	103	108				
	SUB-509	9	5	19	41	58	70	79	84	88	90	92	95	99				
	SUB-606	6	6	16	45	68	85	98	107	114	119	123	127	133				
	SUB-609	9	6	14	41	62	78	90	98	104	109	113	117	122				
	SAF-Q-106-G27	6	1	14	16	17	19	19	20	20	20	20	21	21				
	SAF-Q-109-G27	9	1	13	15	16	17	18	18	18	19	19	19	19				
	SAF-Q-112-G27	12	1	12	13	15	15	16	17	17	17	17	17	17				
	SAF-Q-109-G27-70	9	1	15	17	18	19	20	21	22	22	22	22	22				
	SAF-Q-206-G27	6	2	22	28	32	35	36	37	37	37	38	38	40				
	SAF-Q-209-G27	9	2	20	26	30	32	33	34	34	34	35	35	37				
	SAF-Q-212-G27	12	2	18	23	27	29	30	31	31	31	31	32	34				
	SAF-Q-306-G27	6	3	27	37	44	50	54	56	58	58	58	58	63				
	SAF-Q-309-G27	9	3	25	34	41	46	49	52	53	53	54	54	58				
	SAF-Q-312-G27	12	3	23	31	37	42	45	47	48	49	49	49	53				
	SAF-Q-406-G27	6	4	34	47	57	65	70	74	77	79	82	85	90				
	SAF-Q-409-G27	9	4	31	43	52	59	64	68	71	73	75	78	82				
	SAF-Q-412-G27	12	4	28	39	48	54	58	62	64	66	69	71	75				
	SAF-Q-509-G27	9	5	19	41	58	70	79	84	88	90	92	95	99				
	SAF-Q-609-G27	9	6	14	41	62	78	90	98	104	109	113	117	122				

SCIg60® Infusion System

Troubleshooting

Possible causes for the SCIg60 Infusion System to not perform properly are:

Problem	Possible Cause	Solution
Syringe not compatible	Use of non-recommended syringe model.	Use only recommended syringe model (BD 50 mL syringe model no. 309653).
Components will not connect	Incorrect assembly, incorrect components, or damage of components.	Verify the syringe is properly connected to the flow controller and that the flow controller is correctly connected to the SUB-Q set. Use only the recommended components with the SCIg60 Infuser.
Syringe disengages from the infuser when the inner drive is closed	Syringe was not properly loaded in the infuser.	Unscrew the inner drive and properly position the syringe following the instructions for use steps #9-13. Ensure handle is fully closed.
	Use of non-recommended syringe model.	Use only recommended syringe model.
Clicking sound	During infusion, the spring readjusts as it extends and may intermittently produce sound.	No correction necessary. This is normal and does not impact the function of the pump.
Fluid leak	Incorrect assembly or damage of components.	Verify Luer connectors are properly tightened. Do not overtighten as it may result in damage.
NO fluid flow	Infuser drive is not completely closed.	Close inner drive by rotating the handle clockwise until the base of the handle touches the body of the pump. Refer to IFU step 13.
	Flow controller or administration set is in the OFF position or blocked by slide clamp.	For the Infuset, make sure that the slide clamp is not blocking the flow.
		For the VersaRate or VersaRate Plus, make sure that the dial is set to the intended position and not on the 'OFF' position.
		Verify that no other slide clamp is blocking the flow and that the tubing is not pinched or kinked.
	Occlusion of fluid path	Use new flow controller or administration set.
	When using the VersaRate Plus at the lower position settings such as 1 to 3 to infuse 20% IG (viscous) fluids, it may result in slower than expected or stopped flow rate.	Monitor the fluid volume progress throughout the infusion. If the flow rate is slower than expected, adjust the VersaRate Plus dial to a higher position setting to obtain the desired flow rate. If the flow rate completely stops, turn the VersaRate Plus dial to the OPEN position for a few seconds or until the fluid starts to flow,

User Manual (International)

Problem	Possible Cause	Solution
		then rotate the dial back to the original position setting and continue to monitor the infusion progress. If the flow rate continues to stop, use a different VersaRate Plus device, or switch over to the VersaRate or Infuset flow controller devices.
Flow rate is HIGH	Incorrect combination of SUB-Q set with flow controller or flow controller setting for the prescribed fluid.	Verify that the correct combination of SUB-Q set and Infuset or VersaRate position is being used. Consult the appropriate flow rate data sheet or calculator for expected flow rate.
		If using VersaRate or VersaRate Plus, turn the dial to a lower setting to reduce the flow rate.
	Patient or environmental factors	Refer to section <i>Factors that Affect Flow Rate</i> .
Flow rate is LOW	Incorrect combination of SUB-Q set with flow controller or flow controller setting for the prescribed fluid.	Verify that the correct combination of SUB-Q set and Infuset or VersaRate position is being used. Consult the appropriate flow rate data sheet or calculator for expected flow rate.
		If using VersaRate or VersaRate Plus, turn the dial to a higher setting to increase the flow rate.
	Patient or environmental factors	Refer to section <i>Factors that Affect Flow Rate</i> and verify factors are within intended limits.
	Storage of the flow controller or SUB-Q set with the slide clamp engaged for an extended period of time may temporarily deform the tubing and decrease flow rate.	Do not store with slide clamp engaged for long periods of time.
	Partial occlusion of fluid path	Use new flow controller or administration set.
Flow does not STOP	Flow controller is not set to 'OFF' position or slide clamp is not clamped.	Verify that the slide clamp on the Infuset is fully closed or that the VersaRate is in the 'OFF' position.
		If the flow controller fails to stop the flow, turn the Drive Handle counterclockwise fully to stop fluid flow.

NOTE:

If any of the above conditions persist or the SCIG60 Infusion System is not performing as expected, discontinue use and contact EMED Technologies +1-916-932-0071 and/or your healthcare professional.

SCIg60® Infusion System

Warranty

Parties Covered:

This warranty extends only to the Original Purchaser of the SCIg60 Infuser, and it does not extend to subsequent purchasers or users. The “Original Purchaser” is the person purchasing the SCIg60 Infuser from the Manufacturer or Manufacturers Representative.

Limited Warranty:

EMED Technologies Corporation (“Manufacturer”) warrants the SCIg60 Infuser to be free from defects in materials and workmanship for three (3) years from the date of original purchase when used as intended and under the direction of authorized medical personnel. Failure to comply with these conditions will result in a void warranty.

Use of accessories or components not specified in the SCIg60 Infusion System User Manual may impact immunoglobulin solution flow rates, result in a flow rate outside of what has been approved for immunoglobulin solution, and is not recommended. The Manufacturer does not represent that the SCIg60 Infusion System will operate in accordance with performance specifications if third party accessories are used.

Replacement:

Subject to the conditions of and upon compliance with the procedures set forth in this limited warranty, the Manufacturer will repair or replace, at its option, any SCIg60 Infuser, or part thereof, which has been actually received by the Manufacturer or Manufacturers Representative within the three-year warranty period, and which examination discloses, to the Manufacturer’s satisfaction, that the product is defective. Replacement product and parts are warranted only for the remaining portion of the original three-year warranty period.



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