

Intravenous immunoglobulin (IVIg)

Blood Matters and the Australian Red Cross
Lifeblood Victorian Transfusion Nurses

December 2025

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Blood Matters

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ACKNOWLEDGEMENT OF COUNTRY

Lifeblood acknowledges and pays respect to the past and present Traditional Custodians and Elders of this land, and we acknowledge the continuation of cultural, spiritual and educational practices of First Nations' peoples.

Disclaimer

This presentation is intended to provide education for staff providing treatment and care for patients receiving intravenous immunoglobulin therapy.

Information in this presentation was accurate at time of publication.

Background

Immunoglobulin (Ig) products provide critical therapy, and can be a life-saving treatment, as a replacement for people with immunodeficiencies and immunomodulation for some autoimmune disorders.

The National Blood Authority (NBA) manages the national supply and allocation of immunoglobulin in conjunction with the Australian Red Cross Lifeblood (Lifeblood).

In 2024-25 immunoglobulin represented 24% of the total blood and blood product budget in Australia. [National Blood Authority Australia, Annual Report 2024–25](#)

The Criteria for Immunoglobulin Use in Australia

“Criteria for the clinical use of immunoglobulin in Australia (the Criteria) have been developed by the National Blood Authority using expert Specialist Working Groups of clinicians to identify the medical conditions and circumstances for which immunoglobulin product is supplied and funded by governments under the national blood arrangements.” NBA 2025

For more information on the Criteria and the Immunoglobulin Governance program visit [Criteria for immunoglobulin products | National Blood Authority](https://www.blood.gov.au/supply-system/governance-immunoglobulin-products)

[<https://www.blood.gov.au/supply-system/governance-immunoglobulin-products>](https://www.blood.gov.au/supply-system/governance-immunoglobulin-products)

BloodSTAR

BloodSTAR is Australia's online system for accessing government-funded immunoglobulin (Ig) products. The system manages requests, reviews and authorisations for treating conditions with Ig products.

BloodSTAR helps:

- promote appropriate use of Ig products
- promote consistent access to Ig products based on the Criteria
- support patients across many sites, including mobile (e.g. travelling, holidays) and remote patients.

<https://www.blood.gov.au/blood-products/access-and-ordering/bloodstar-ig-products>

BloodSTAR – view authorisation

View authorisation provides a central point for checking a patient's authorised dose and status.

BloodSTAR:

- Prescribers and nurses can view authorisations for all patients at their facility.
- Medical Officers can record review outcomes for the patients from this screen.

BloodNet:

- Dispensers can view the same level of detail using the *Check Authorisation* function

[BloodSTAR user tips and support materials](#)

The prescriber should be contacted for queries about dose or product

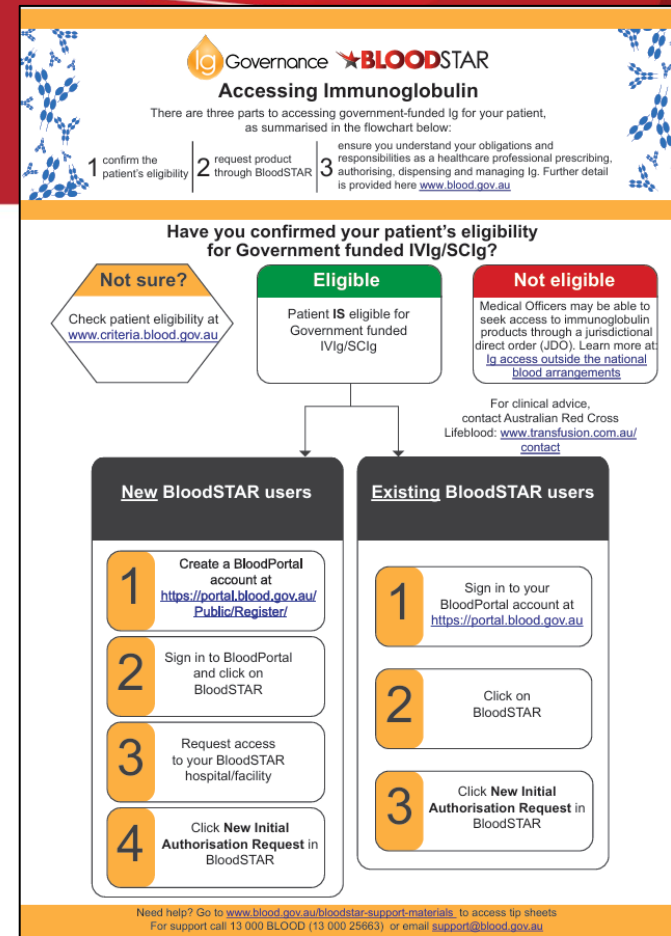
Jurisdictional direct order (JDO)

In some cases, medical officers may want to prescribe immunoglobulin (Ig) for patients who don't meet the eligibility requirements in the Criteria.

In these cases, Ig products may be able to be accessed through:

- local Direct Orders
- purchasing from suppliers at private cost.

<https://www.blood.gov.au/supply-system/governance-immunoglobulin-products#ig-access-outside-the-national-blood-arrangements>



Description - Privigen® AU



| Description | Privigen® AU |
|--------------------|---|
| Presentation | 5g (50mL); 10g (100mL); 20g (200mL) |
| Concentration | 10% |
| Source plasma | Australia |
| Stabiliser | L-proline |
| Storage conditions | Store below 25°C (Do not freeze) Protect from light |
| Infusion rate | Start at 0.3mL/kg/hr If well tolerated, the rate can gradually be increased at 30-minute intervals to the maximum rate Max infusion rate of 4.8mL/kg/hr |

Description - Privigen® (imported)



| Description | Privigen® |
|--------------------|---|
| Presentation | 5g (50mL); 10g (100mL); 20g (200mL); 40g (400mL) |
| Concentration | 10% |
| Source plasma | European and USA remunerated and non-remunerated donors |
| Stabiliser | L-proline |
| Storage conditions | Store below 25°C (Do not freeze) Protect from light |
| Infusion rate | Start at 0.3mL/kg/hr If well tolerated, the rate can gradually be increased at 30-minute intervals to the maximum rate Max infusion rate of 4.8mL/kg/hr |

Privigen[®] AU (10%) and Privigen[®] (10%) infusion rate guide

| Infusion rate mL/kg/ hr | Pump rate | 10 kg | 15 kg | 20 kg | 25 kg | 30 kg | 35 kg | 40 kg | 45 kg | 50 kg | 55 kg | 60 kg | 65 kg | 70 kg | 75 kg | 80 kg | 85 kg | 90 kg | 95 kg | 100 kg |
|-------------------------------|--------------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|-----------|
| 0.3 | mL/hr | 3 | 4.5 | 6 | 7.5 | 9 | 10.5 | 12 | 13.5 | 15 | 16.5 | 18 | 19.5 | 21 | 22.5 | 24 | 25.5 | 27 | 28.5 | 30 |
| 0.6 | mL/hr | 6 | 9 | 12 | 15 | 18 | 21 | 24 | 27 | 30 | 33 | 36 | 39 | 42 | 45 | 48 | 51 | 54 | 57 | 60 |
| 1.2 | mL/hr | 12 | 18 | 24 | 30 | 36 | 42 | 48 | 54 | 60 | 66 | 72 | 78 | 84 | 90 | 96 | 102 | 108 | 114 | 120 |
| 2.4* | mL/hr | 24 | 36 | 48 | 60 | 72 | 84 | 96 | 108 | 120 | 132 | 144 | 156 | 168 | 180 | 192 | 204 | 216 | 228 | 240 |
| 3.6* | mL/hr | 36 | 54 | 72 | 90 | 108 | 126 | 144 | 162 | 180 | 198 | 216 | 234 | 252 | 270 | 288 | 306 | 324 | 342 | 360 |
| 4.8* | mL/hr | 48 | 72 | 96 | 120 | 144 | 168 | 192 | 216 | 240 | 264 | 288 | 312 | 336 | 360 | 384 | 408 | 432 | 456 | 480 |

*Step-up rate rises used between 2.4mL/kg/hr are at the discretion of the health care professional and as tolerated by the patient. Faster rates may be appropriate in some patient groups. See the product information for more detail regarding infusion rate studies for specific patient groups.

Prescribing and ordering



Clinicians must take care to prescribe and order the correct product for their patients in BloodSTAR

Privigen \neq Privigen AU



VS



Current supply arrangements (IVIg)

| | Product | Company |
|-------------------------------|----------------------|-------------------|
| Domestic IVIg product | Privigen® AU 10% | CSL Behring |
| Imported IVIg products | Flebogamma® 5% & 10% | Grifols Australia |
| | Gamunex® 10% | Grifols Australia |
| | Privigen® 10% | CSL Behring |
| | Octagam® 10% | Octapharma |
| | Kiovig 10% | Takeda |

[NBA national product price list July 2025](#)

Current supply arrangements (SCIg)

| | Product | Company |
|-------------------------------|------------------|----------------------------------|
| Domestic SCIg product | Hizentra® AU 20% | CSL Behring |
| Imported SCIg products | Hizentra® 20% | CSL Behring |
| | Cuvitru® 20% | Takeda Pharmaceuticals Australia |
| | Xembify® 20% | Grifols Australia |

[National Product Price List | National Blood Authority](#) Price list July 2025

Immunoglobulin product information

Lifeblood's health professionals' immunoglobulin webpages are a great source of information and provide quick access links to the IVIg and SCIg product information.

[Intravenous immunoglobulin \(IVIg\) | Australian Red Cross Lifeblood](#)

[Subcutaneous immunoglobulin \(SCIg\) | Australian Red Cross Lifeblood](#)

Flebogamma® 5% DIF



| Description | Flebogamma® 5% DIF |
|--------------------|--|
| Presentation | 5g (100mL), 10g (200mL), 20g (400mL) vials |
| Concentration | 5% Pay careful attention that you have the correct product strength |
| Source plasma | USA and European remunerated and non-remunerated donors |
| Stabiliser | Sorbitol |
| Storage conditions | <ul style="list-style-type: none">• Store below 30°C for up to 2 years• Protect from light.• Do not freeze |
| Infusion rate | <ul style="list-style-type: none">• First 30 minutes: 0.01 – 0.02 mL/kg/minute• If well tolerated gradually increase rate to a maximum of 0.1 mL/kg/minute• Maximum rate 0.1 mL/kg/min (6mL/kg/hour) |

N.B. Flebogamma 5% and 10% are contraindicated in babies and young children as hereditary fructose intolerance may not yet be diagnosed and may lead to a fatal reaction associated with the sorbitol stabiliser.

Flebogamma® 5% DIF infusion rate guide

| Infusion rate mL/kg/min | Infusion rate mL/kg/hr | Pump rate | 10 kg | 20 kg | 30 kg | 40 kg | 50 kg | 60 kg | 70 kg | 80 kg | 90 kg | 100 kg | 110 kg | 120 kg |
|----------------------------|---------------------------|-----------|-------|-------|-------|-------|-------|-------|-------|-------|-------|--------|--------|--------|
| 0.01 | 0.6 | mL/hr | 6 | 12 | 18 | 24 | 30 | 36 | 42 | 48 | 54 | 60 | 66 | 72 |
| 0.02 | 1.2 | mL/hr | 12 | 24 | 36 | 48 | 60 | 72 | 84 | 96 | 108 | 120 | 132 | 144 |
| 0.03 | 1.8 | mL/hr | 18 | 36 | 54 | 72 | 90 | 108 | 126 | 144 | 162 | 180 | 198 | 216 |
| 0.04 | 2.4 | mL/hr | 24 | 48 | 72 | 96 | 120 | 144 | 168 | 192 | 216 | 240 | 264 | 288 |
| 0.05 | 3.0 | mL/hr | 30 | 60 | 90 | 120 | 150 | 180 | 210 | 240 | 270 | 300 | 330 | 360 |
| 0.06 | 3.6 | mL/hr | 36 | 72 | 108 | 144 | 180 | 216 | 252 | 288 | 324 | 360 | 396 | 432 |
| 0.07 | 4.2 | mL/hr | 42 | 84 | 126 | 168 | 210 | 252 | 294 | 336 | 378 | 420 | 462 | 504 |
| 0.08 | 4.8 | mL/hr | 48 | 96 | 144 | 192 | 240 | 288 | 336 | 384 | 432 | 480 | 528 | 576 |
| 0.09 | 5.4 | mL/hr | 54 | 108 | 162 | 216 | 270 | 324 | 378 | 432 | 486 | 540 | 594 | 648 |
| 0.10 | 6.0 | mL/hr | 60 | 120 | 180 | 240 | 300 | 360 | 420 | 480 | 540 | 600 | 660 | 720 |

Increase the rate by 0.01 mL/kg/min (0.6 mL/kg/hr) 30 minutely to the maximum rate or as tolerated by the patient.

This table is based on the FLEBOGAMMA® 5% DIF product information, always refer to the product information and your local Clinical Practice Guidelines for more information.

Flebogamma® 10% DIF



| Description | Flebogamma® 10% DIF |
|--------------------|--|
| Presentation | 5g (50mL), 10g (100mL), 20g (200mL) vials |
| Concentration | 10% Pay careful attention that you have the correct product strength |
| Source plasma | USA and European remunerated and non-remunerated donors |
| Stabiliser | Sorbitol |
| Storage conditions | <ul style="list-style-type: none">• Store below 30°C for up to 2 years• Protect from light.• Do not freeze |
| Infusion rate | <ul style="list-style-type: none">• First 30 minutes: 0.01 mL/kg/minute• Second 30 minutes: 0.02 mL/kg/minute• If tolerated increase by a further 0.02 mL/kg/minute each 30 minutes to maximum 0.08 mL/kg/minute• Maximum rate 0.08mL/kg/minute (4.8mL/kg/hour) |

N.B. Flebogamma 5% and 10% are contraindicated in babies and young children as hereditary fructose intolerance may not yet be diagnosed and may lead to a fatal reaction associated with the sorbitol stabiliser.

Flebogamma® 10% DIF infusion rate guide

| Infusion rate mL/kg/min | Infusion rate mL/kg/hr | Pump rate | 10 kg | 20 kg | 30 kg | 40 kg | 50 kg | 60 kg | 70 kg | 80 kg | 90 kg | 100 kg | 110 kg | 120 kg |
|----------------------------|---------------------------|-----------|-------|-------|-------|-------|-------|-------|-------|-------|-------|--------|--------|--------|
| 0.01 | 0.6 | mL/hr | 6 | 12 | 18 | 24 | 30 | 36 | 42 | 48 | 54 | 60 | 66 | 72 |
| 0.02 | 1.2 | mL/hr | 12 | 24 | 36 | 48 | 60 | 72 | 84 | 96 | 108 | 120 | 132 | 144 |
| 0.03 | 1.8 | mL/hr | 18 | 36 | 54 | 72 | 90 | 108 | 126 | 144 | 162 | 180 | 198 | 216 |
| 0.04 | 2.4 | mL/hr | 24 | 48 | 72 | 96 | 120 | 144 | 168 | 192 | 216 | 240 | 264 | 288 |
| 0.05 | 3.0 | mL/hr | 30 | 60 | 90 | 120 | 150 | 180 | 210 | 240 | 270 | 300 | 330 | 360 |
| 0.06 | 3.6 | mL/hr | 36 | 72 | 108 | 144 | 180 | 216 | 252 | 288 | 324 | 360 | 396 | 432 |
| 0.07 | 4.2 | mL/hr | 42 | 84 | 126 | 168 | 210 | 252 | 294 | 336 | 378 | 420 | 462 | 504 |
| 0.08 | 4.8 | mL/hr | 48 | 96 | 144 | 192 | 240 | 288 | 336 | 384 | 432 | 480 | 528 | 576 |

Increase rate by 0.01 mL/kg/min (0.6 mL/kg/hr) 30 minutely to the maximum rate or as tolerated by the patient.

This table is based on the FLEBOGAMMA® 10% DIF product information, always refer to the product information and your local Clinical Practice Guidelines for more information.

Gamunex® 10%



| Description | Gamunex® 10% |
|-------------------|--|
| Presentation | 5g (50mL), 10g (100mL), 20g (200mL), 40g (400mL) vials |
| Concentration | 10% |
| Source plasma | USA and European remunerated and non-remunerated donors |
| Stabiliser | Glycine |
| Storage Condition | <ul style="list-style-type: none">• Store at 2°C - 8°C for up to 36 months, may be stored at temperatures not exceeding 25°C for up to 6 months anytime during the 36- month shelf life, after which the product must be used immediately or discarded.• Do not freeze. |
| Infusion rate | <ul style="list-style-type: none">• First 30 minutes: 0.01 mL/kg/minute• If well tolerated gradually increase rate to a maximum of 0.08 mL/kg/minute• Maximum rate: 0.08 mL/kg/minute (4.8mL/kg/hour) |

Picture published by Grifols Australia

Gamunex® 10% infusion rate guide

| Infusion rate mL/kg/min | Infusion rate mL/kg/hr | Pump rate | 10 kg | 20 kg | 30 kg | 40 kg | 50 kg | 60 kg | 70 kg | 80 kg | 90 kg | 100 kg | 110 kg | 120 kg |
|----------------------------|---------------------------|-----------|-------|-------|-------|-------|-------|-------|-------|-------|-------|--------|--------|--------|
| 0.01 | 0.6 | mL/hr | 6 | 12 | 18 | 24 | 30 | 36 | 42 | 48 | 54 | 60 | 66 | 72 |
| 0.02 | 1.2 | mL/hr | 12 | 24 | 36 | 48 | 60 | 72 | 84 | 96 | 108 | 120 | 132 | 144 |
| 0.03 | 1.8 | mL/hr | 18 | 36 | 54 | 72 | 90 | 108 | 126 | 144 | 162 | 180 | 198 | 216 |
| 0.04 | 2.4 | mL/hr | 24 | 48 | 72 | 96 | 120 | 144 | 168 | 192 | 216 | 240 | 264 | 288 |
| 0.05 | 3.0 | mL/hr | 30 | 60 | 90 | 120 | 150 | 180 | 210 | 240 | 270 | 300 | 330 | 360 |
| 0.06 | 3.6 | mL/hr | 36 | 72 | 108 | 144 | 180 | 216 | 252 | 288 | 324 | 360 | 396 | 432 |
| 0.07 | 4.2 | mL/hr | 42 | 84 | 126 | 168 | 210 | 252 | 294 | 336 | 378 | 420 | 462 | 504 |
| 0.08 | 4.8 | mL/hr | 48 | 96 | 144 | 192 | 240 | 288 | 336 | 384 | 432 | 480 | 528 | 576 |

Increase rate by 0.01 mL/kg/min (0.6 mL/kg/hr) 30 minutely to the maximum rate or as tolerated by the patient. This table is based on the Gamunex® 10% product information, always refer to the product information and your local Clinical Practice Guidelines for more information.

Octagam® 10%



| Description | Octagam® 10% |
|--------------------|---|
| Presentation | 5g in 50mL, 10g in 100mL, 20g in 200mL |
| Concentration | 10% |
| Source plasma | European and USA remunerated and non-remunerated donors |
| Stabiliser | Maltose |
| Storage conditions | Store at 2-8°C for up to 2 years. Once removed from refrigeration, store below 25°C and use within 9 months. Do not freeze Protect from light |
| Infusion rate | <ul style="list-style-type: none">• Initial infusion rate: 0.6-1.2mL/kg/hour for 30 minutes• If well tolerated, the rate of administration may gradually be increased• Suggested rate of increase is 0.6mL/kg/hour each 30 minutes• Maximum infusion rate is 7.2mL/kg/hour |

Octagam® 10% infusion rate

| Infusion rate mL/kg/hr | Pump rate | 10 kg | 20 kg | 30 kg | 40 kg | 50 kg | 60 kg | 70 kg | 80 kg | 90 kg | 100 kg | 110 kg | 120 kg |
|---------------------------|-----------|-------|-------|-------|-------|-------|-------|-------|-------|-------|--------|--------|--------|
| 0.6 | mL/hr | 6 | 12 | 18 | 24 | 30 | 36 | 42 | 48 | 54 | 60 | 66 | 72 |
| 1.2 | mL/hr | 12 | 24 | 36 | 48 | 60 | 72 | 84 | 96 | 108 | 120 | 132 | 144 |
| 1.8 | mL/hr | 18 | 36 | 54 | 72 | 90 | 108 | 126 | 144 | 162 | 180 | 198 | 216 |
| 2.4 | mL/hr | 24 | 48 | 72 | 96 | 120 | 144 | 168 | 192 | 216 | 240 | 264 | 288 |
| 3.0 | mL/hr | 30 | 60 | 90 | 120 | 150 | 180 | 210 | 240 | 270 | 300 | 330 | 360 |
| 3.6 | mL/hr | 36 | 72 | 108 | 144 | 180 | 216 | 252 | 288 | 324 | 360 | 396 | 432 |
| 4.2 | mL/hr | 42 | 84 | 126 | 168 | 210 | 252 | 294 | 336 | 378 | 420 | 462 | 504 |
| 4.8 | mL/hr | 48 | 96 | 144 | 192 | 240 | 288 | 336 | 384 | 432 | 480 | 528 | 576 |
| 5.4 | mL/hr | 54 | 108 | 162 | 216 | 270 | 324 | 378 | 432 | 486 | 540 | 594 | 648 |
| 6.0 | mL/hr | 60 | 120 | 180 | 240 | 300 | 360 | 420 | 480 | 540 | 600 | 660 | 720 |
| 6.6 | mL/hr | 66 | 132 | 198 | 264 | 330 | 396 | 462 | 528 | 594 | 660 | 726 | 792 |
| 7.2 | mL/hr | 72 | 144 | 216 | 288 | 360 | 432 | 504 | 576 | 648 | 720 | 792 | 864 |

Increase rate by 0.6 mL/kg/hr 30 minutely to the maximum rate or as tolerated by the patient.

Table developed using the Octagam® 10% product information, always refer to the product information and your local Clinical Practice Guideline.

Kiovig[®] 10%

| Description | Kiovig 10% |
|--------------------|---|
| Presentation | 5g in 50 mL, 10g in 100 mL, 20g in 200 mL, 30g in 300mL |
| Concentration | 10% |
| Source plasma | European and USA remunerated and non-remunerated donors |
| Stabiliser | Glycine |
| Storage conditions | Store at 2°C to 8°C for up to 36 months from date of manufacture. Refrigerate. Do not freeze. |
| Infusion rate | <ul style="list-style-type: none">Initial infusion rate: 0.5 mL/kg/hourIf well tolerated gradually increased, by 0.5mL/kg/hour, every 30 minutes to a rate of 5.0 mL/kg/hourFor subsequent infusions follow the same rate increase to the maximum rate tolerated in the initial treatment |

Reference: Kiovig product information

Kiovig® 10% infusion rate

| Infusion rate mL/kg/hr | Pump rate | 10 kg | 20 kg | 30 kg | 40 kg | 50 kg | 60 kg | 70 kg | 80 kg | 90 kg | 100 kg | 110 kg | 120 kg |
|------------------------|-----------|-------|-------|-------|-------|-------|-------|-------|-------|-------|--------|--------|--------|
| 0.5 | mL/hr | 5 | 10 | 15 | 20 | 25 | 30 | 35 | 40 | 45 | 50 | 55 | 60 |
| 1.0 | mL/hr | 10 | 20 | 30 | 40 | 50 | 60 | 70 | 80 | 90 | 100 | 110 | 120 |
| 1.5 | mL/hr | 15 | 30 | 45 | 60 | 75 | 90 | 105 | 120 | 135 | 150 | 165 | 180 |
| 2.0 | mL/hr | 20 | 40 | 60 | 80 | 100 | 120 | 140 | 160 | 180 | 200 | 220 | 240 |
| 2.5 | mL/hr | 25 | 50 | 75 | 100 | 125 | 150 | 175 | 200 | 225 | 250 | 275 | 300 |
| 3.0 | mL/hr | 30 | 60 | 90 | 120 | 150 | 180 | 210 | 240 | 270 | 300 | 330 | 360 |
| 3.5 | mL/hr | 35 | 70 | 105 | 140 | 175 | 210 | 245 | 280 | 315 | 350 | 385 | 420 |
| 4.0 | mL/hr | 40 | 80 | 120 | 160 | 200 | 240 | 280 | 320 | 360 | 400 | 440 | 480 |
| 4.5 | mL/hr | 45 | 90 | 135 | 180 | 225 | 270 | 315 | 360 | 405 | 450 | 495 | 540 |
| 5.0 | mL/hr | 50 | 100 | 150 | 200 | 250 | 300 | 350 | 400 | 450 | 500 | 550 | 600 |

Increase rate by 0.5 mL/kg/hr 30 minutely to the maximum rate or as tolerated by the patient.

This table was developed using the Kiovig® 10% product information, always refer to the product information and your local Clinical Practice Guideline.

Pre-administration

- Document baseline vital signs and report abnormalities
- Assess the patient for signs or symptoms that may be confused with a reaction
- Hydration – ensure patient is well hydrated as this will help to reduce the risk of some reactions
- Perform pre-administration patient and product identification checks (check local policy)
- Check the integrity of the product
 - All products should be clear or slightly opalescent liquids ranging from colourless to pale yellow
 - Do not use solutions that are cloudy, have deposits or unsealed



Administration

1. Allow IVlg to come to room temperature before use
2. Remove the plastic cover from the seal
3. Clean the exposed part of the rubber stopper with an antiseptic wipe or alcohol swab and allow to dry (as per local policy)

NOTE: Administration from glass bottles requires a vented system.
A vented system can be in the form of a vented spike adaptor, a side vent in an IV line or an airway needle.

The product does not contain any preservative or antimicrobial protection; each vial should be completed within **4 hours** of piercing the rubber stopper.



Image: Flippin Blood 2nd edition, 2012 – No longer available

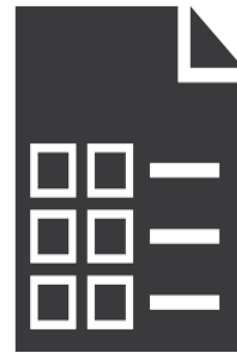
Infusion rates – paediatric/neonatal

- Consideration should be given to running IVIg at slower rates for paediatric/neonatal patients.
- Suggest discussing rate of infusion with a consultant paediatrician to determine the best rate for each child/infant/neonate.
- Consult The Royal Children's Hospital Melbourne website for the latest paediatric and neonatal IVIg infusion guideline
[Blood Transfusion : Intravenous Immunoglobulin Guideline](#)



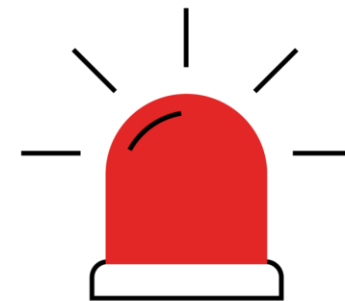
Infusion rates

- Each product has its own individual infusion protocol; **make sure you are using the correct one**
- Infusion via pump is recommended for accuracy
- Start with the smallest vials first, when the infusion rate is slowest as this helps to prevent waste if a reaction occurs



Precautions for all IVIg products

- Consider using a slower maximum rate of infusion for:
 - the elderly
 - those at risk of thrombosis
 - those with renal insufficiency
 - paediatric and neonatal patient (*check product information)
- Patients should be well hydrated and observed closely during infusion to reduce the risk of adverse events



Patient observation

- Document observations as per hospital policy
- Patients with signs of reaction, or who have reacted previously, should be observed closely and more frequently and a slower infusion rate used
- Outpatients should remain in the infusion centre for 20-minutes (minimum) following infusion
- If the patient is naïve to IVIg, has changed product or had an absence of IVIg for 6+ weeks, the patient should remain in the department for 1-hour following the infusion



Adverse events

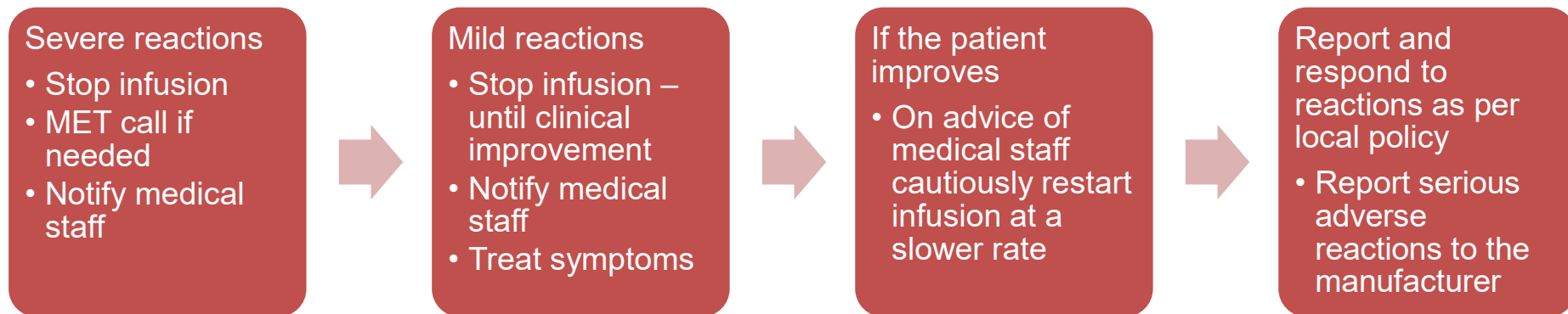
Some common signs and symptoms of IVIg reactions

chills
headache
fever
arthralgia

nausea/vomiting
rash/allergy

low blood pressure
moderate low back
pain

Adverse event response



Traceability

To maintain a link between the product and the recipient always record the product name and batch number in the medical record

Product not used for the intended patient must be returned to the blood bank, pathology provider, pharmacy. It should never be kept in the clinical area for infusion to another patient.



Image courtesy Royal Melbourne Hospital 2023

Subcutaneous immunoglobulin (SCIg)

For patients with suitable conditions, consider transitioning the patient to SCIg

Further information is available on the [Blood Matters](#) webpage

Why use SCIg?

SCIg can be administered in the home, either self-administered or by a carer

SCIg provides stable immunoglobulin levels, leading to:

- Fewer or less frequent infections
- Reduced hospital admissions
- Improved compliance with treatment as the patient has greater control of their own care
- Do not need IV access
- Systemic side effects are rare

References, resources and links

National Blood Authority resources for patients and health care professionals:

- [Immunoglobulin products in clinical practice | National Blood Authority](#)
- [Subcutaneous immunoglobulin \(SCIg\) | National Blood Authority](#)
- [Travelling with blood products in or outside Australia | National Blood Authority](#)

Lifeblood: [Immunoglobulins | Australian Red Cross Lifeblood](#)

CSL Resources: <https://hcp.cslbehrling.com.au/>

BloodSafe eLearning Australia immunoglobulin courses: [BloodSafe eLearning Australia \(bloodsafelearning.org.au\)](#)

Useful links & contacts

- Victorian Australian Red Cross Lifeblood Transfusion Nurses contact: tatrobinson@redcrossblood.org.au or ttait@redcrossblood.org.au
- CSL Behring: <http://www.csl.com.au/products/product-finder.htm>
- Grifols: <http://www.grifols.com>
- Octapharma: <https://www.octapharma.com/australia/>
- Takeda Pharmaceuticals Australia Pty Ltd. <https://www.takeda.com/en-au/what-we-do/our-products/>
- Blood Matters Immunoglobulin therapy [Immunoglobulin \(Ig\) replacement therapy | health.vic.gov.au](https://www.health.vic.gov.au/immunoglobulin-therapy)

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Accessibility statement and publisher information

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Available at Blood Matters program: <https://www.health.vic.gov.au/patient-care/blood-matters-program>