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## Section S: Blood Product Overview – Cytogam® Cytomegalovirus Immune Globulin Intravenous CSL Behring

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### DESCRIPTION of PRODUCT

- Source material is derived from pooled adult human plasma selected for high titers of antibody for Cytomegalovirus.
- Fractionated by Cohn ethanol method of protein precipitation.
- Solvent detergent viral inactivation process.
- Each mL contains 50 ± 10 mg of immunoglobulin (primarily IgG with trace amounts of IgA and IgM), 50 mg sucrose and 10 mg albumin.
- Sodium content is 20-30 mEq/L.
- **Contains traces of latex** from the stopper on the bottle.

### AVAILABILITY of PRODUCT

- Not stocked at each LHSC/SJHC site.
- Can be obtained from the CBS as requested.
- Does NOT require Special Access Program (SAP) approval.

### STORAGE of PRODUCT

- Store between 2-8C.
- Do NOT freeze.
- Expiry date is indicated on vial. Once entered, vial should be infused within 4 hours.

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**Date effective: Jan 2005**

**Date revised: July 2009**

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### CLINICAL INDICATIONS (see package insert for contraindications)

- Immunosuppressed anti-CMV negative patients who have been exposed to CMV (Usually organ transplant recipients receiving organ or cell products from anti-CMV positive donors).

### REQUESTS for CYTOGAM<sup>®</sup>

- Use at LHSC/SJHC is approved for post-transplant patients only
- If reason for request is other than post-transplant, ordering physician must obtain approval of a Hematologist.

### ADMINISTRATION of PRODUCT

- Usual course is seven infusions: recommended dose in mL/kg varies depending on whether use is for prophylaxis or treatment of acute disease. See [product insert](#) for further dosage recommendations.
- Should be inspected visually for particulate matter and discoloration prior to administration. Infuse only if solution is colorless, free of particulate matter and not turbid
- **NOTE:** CytoGam infusion requires a 15 micron filter administration set with a vent (product in glass bottle) AND must be administered through a constant infusion pump. This administration set is not available; therefore the Blood Transfusion Lab will provide the product pre-filtered in a bag. This pre-filtered product can then be run through any tubing compatible with the constant infusion pump.
- CytoGam is compatible with 0.9% NaCl or 2.5%, 5%, 10% or 20% dextrose in water, therefore mainline IV may be infusing any of these solutions prior to start of CytoGam infusion.
- Administer intravenously at 15mg (0.3mL) per kg body weight per hour. If no adverse reactions occur after 30 minutes, the rate may be increased to 30mg/kg/hr (0.6mL/kg/hr); if no adverse reactions occur after a subsequent 30 minutes, then the infusion may be increased to 60mg/kg/hr (1.2mL/kg/hr). Volume not to exceed 75mL/hour
- Vital signs should be taken pre-infusion, mid-way and post-infusion as well as before any rate increase.

### LINK to WEBSITE for PRESCRIBING INFORMATION

Product insert available at: <http://www.cytogam.com/pdfs/Cytogam%20PI.pdf>

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