

Rabies Immune Globulin Biological Page

Section 7:	Biological Product Information		Standard #: 07.310
Created by:	Province-wide Immunization Program Standards and Quality		
Approved by:	Province-wide Immunization Program, Standards and Quality		
Approval Date:	March 1, 2013	Revised:	May 15, 2020

	HyperRAB®	KamRAB®	IMOGAM®
Manufacturer	Grifols Therapeutics LLC. distributed by Grifols Canada Ltd.	Kamada Ltd. (Imported by: Valneva Canada, Inc.)	Sanofi Pasteur Limited
Biological Classification	Passive: Immune Globulin		
Indications for Provincially Funded Vaccine	virus has occurred and should However, if indicated based (PEP) should be offered to exposure. The animal species, the well as immunization state the area. For further disease information refer to Rabies Prevention a Veterinary Professionals The MOH/MOH designate worabies vaccine for an individual (OCMOH) is available for converse to the second post exposure prophylaxis. So for detailed information on reference in the provided post exposure prophylaxis. So for detailed information on reference in the provided post exposure prophylaxis. So for detailed information (preference in the provided post exposure prophylaxis. So for detailed information (preference in the provided post exposure prophylaxis. So for detailed information (preference in the provided post exposure prophylaxis. So for detailed information (preference in the provided post exposure prophylaxis) for detailed information (preference in the provided post exposure prophylaxis. So for detailed information (preference in the provided post exposure prophylaxis) for detailed information (preference in the provided post exposure prophylaxis) for detailed information (preference in the provided post exposure prophylaxis) for detailed information (preference in the provided post exposure prophylaxis) for detailed information on reference in the provided post exposure prophylaxis. So for detailed information (preference in the provided post exposure prophylaxis) for detailed information (preference in the provided post exposure prophylaxis) for detailed information (preference in the provided post exposure prophylaxis) for detailed information (preference in the provided post exposure prophylaxis) for detailed information (preference in the provided post exposure prophylaxis) for detailed information (preference in the provided post exposure prophylaxis) for detailed information (preference in the provided post exposure prophylaxis) for detailed information (preference in the provided post exposure prophylaxis) for detailed information (preference in th	iduals of all ages if potential huld be initiated as soon as posson risk assessment, rabies posson risk assessment of exposure and control manual (if applicable) on, assessment of exposure and Control Manual Guidance for ithin the AHS Zone will authoritial. The Office of the Chief Mensultation if desired by the MO and with a stock supply of RIG and Exporting of doses administered exporting of doses administered for post-exposure) does not eliminate to ce number of vaccine doses rempleted appropriate rabies imminate antibody titre (rapid fluores exposure) should not receive RIG. for definition of appropriate rabies and referred directly to AH and a referral to the appropriate	ible after the exposure. st-exposure prophylaxis of the time interval after ure must be considered as) and presence of rabies in nd reporting requirements or Public Health and zed the release of RIG or dical Officer of Health iH. and rabies vaccine to initiate Page #07.311 Appendix A and process for ordering minate the need for prompt he need for rabies immune equired for PEP. munization and are known to scence focus inhibition test See Rabies Vaccine bies immunization. es PEP should be discussed Immunization Program. The
Schedule	 Rabies immune globulin (RIG rabies vaccine using separation Notes: If RIG is not administered at administered up to and inclusion. 	G) should be administered contended by syringe/needle and at a differ the initiation of the rabies vacating day 7 after the first dose one with maximum immunity from the during rabies PEP.	erent anatomical site. cine series (day 0), it can be of rabies vaccine.

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	 RIG is not indicated for individuals who have been appropriately immunized. See #07.311 Rabies Vaccine Biological Page. RIG is recommended for those individuals who have not been appropriately immunized. See #07.311 Rabies Vaccine Biological Page. For further follow up information refer to provincial guidelines (see link) Rabies Prevention and Control Manual Guidance for Public Health and Veterinary Professionals as well as zone processes. 		
Preferred Use	There will be no preference indicated for the use of HyperRAB® or IMOGAM® or KamRAB® in specific age or risk groups. • All products are safe and immunogenic in all individuals. • Persons with medical contraindications should be offered the alternate product if supply is available.		
Dose	20 IU/kg (0.0665 mL/kg) of body weight Note: Concentration is 300 IU/mL Rabies immune globulin is packaged as a 1 mL and 5 mL single use vials with 300 IU/mL The recommended dose of RIG should not be exceeded because of possible interference of RIG with the immune response to rabies vaccine.	20 IU/kg (0.1333 mL/kg) of body weight. Note: Concentration is 150 IU/mL Rabies immune globulin is packaged as 2 mL or 10 mL single use vials with 150 IU/mL The recommended dose of RIG should not be exceeded because of possible interference of RIG with the immune response to rabies vaccine.	20 IU/kg (0.133 mL/kg) of body weight Note: Concentration is 150 IU/mL Rabies immune globulin is packaged as a 2 mL vial, which contains a total of 300 IU (150 IU/mL). The recommended dose of RIG should not be exceeded because of possible interference of RIG with the immune response to rabies vaccine.
Route	The most effective use of RIG is in the wound. Infiltration into and around the wound(s) or at the site of exposure. Remainder of the dose given IM. Note: Wound infiltration is beyond the scope of practice for RNs, this procedure should be carried out by a physician. If anatomically feasible, the full dose should be infiltrated in the wound and surrounding area by the physician. Any remaining volume should be injected intramuscularly at an anatomical site distant from the vaccine administration. When more than one wound exists, each wound should be locally infiltrated with a portion of the RIG using a separate needle. For HyperRAB® - if the wound covers a large area and the dose has insufficient volume to infiltrate the entire wound HyperRAB® may be diluted with an equal volume of dextrose, 5% (D5W) in water. Do not dilute with normal saline. KamRAB® - RIG can be diluted twofold to threefold in a solution of 0.9% sodium chloride in order to provide the full amount of RIG required for thorough infiltration of all wounds. For IMOGAM® - the RIG can be diluted twofold to threefold in a solution of 0.9% sodium chloride in order to provide the full amount of RIG required for thorough infiltration of all wounds. RIG should be infiltrated whenever possible with the following exceptions: If the site of the wound/exposure is unknown, or If it is not anatomically feasible, or If the opportunity to provide RIG would otherwise be missed In these situations the entire dose of RIG should be administered intramuscularly.		

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Contraindications/	Contraindications:				
Precautions	 Individuals who have completed appropriate rabies immunization and are known to have ever had an adequate antibody titre (rapid fluorescence focus inhibition test result of 0.5 IU/mL or greater) should not receive RIG. Precautions: RIG should not be administered later than day 7 after initiation of a vaccine series. RIG should be given only one time during rabies PEP (not later than day 7 after the initiation of rabies vaccine series). Additional doses may interfere with maximum immunity from the vaccine. 				
	 Administer with caution to individuals with a history of prior systemic allergic reactions following the administration of human immune globulin preparations. Individuals with IgA deficiency have increased potential for developing antibodies to IgA and could have anaphylactic reactions to subsequent administration of blood products that contain IgA. No more than the recommended dose should be given (may partially suppress active production of antibody). HyperRAB®, KamRAB® and IMOGAM® are made from human plasma. Products made from human plasma may contain infectious agents that can cause disease. The risk that such products will transmit an infectious agent has been reduced by screening plasma donors for prior exposure to certain viruses, testing for the presence of certain current viral infections and inactivating and/or removing certain viruses. Despite these measures, such products can still potentially transmit disease. A signed <u>Consent for Treatment/Procedure</u> is required before administering immune globulin products. 				
Possible	Common:				
Reactions	 Pain or soreness, redness, induration at the injection site Fever, headache, malaise 				
	Rare: Bruising Fatigue, dizziness, feeling faint Myalgia, arthralgia Nausea, abdominal pain Upper respiratory tract infection Blood in urine, white blood cells in urine Sunburn Angioneurotic edema, rash, nephrotic syndrome Anaphylaxis As with any immunization, unexpected or unusual side effects can occur. Refer to the product monograph for more detailed information.				
Pregnancy	Pregnancy is not a contraindicat				
Lactation	Breastfeeding is not a contraindication to rabies PEP.				
Composition	 Each 1.0 mL contains: 300 IU/mL rabies immune globulin (average potency value) 15% to 18% protein solution 0. 16 to 0.26 M glycine No preservative	 Each 1.0 mL contains: 150 IU/mL rabies immune globulin Glycine Water for Injection, Sodium Hydroxide No preservative 	 Each 1.0 mL contains: 100 to 180 mg human proteins containing (IgG-class) human rabies immunoglobulins with a minimum titre of 150 IU/mL 22.5 mg glycine (stabilized with 0.3 M glycine) 		

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			 1 mg sodium chloride Up to 1 mL water Sodium hydroxide or hydrochloric acid to adjust pH (6.8 ± 0.4)
			No preservative
Blood/Blood Products	Made from pooled human venous plasma		
Bovine/Porcine Products	 Bovine-derived materials are used in the early manufacturing processes but are not present in the final product. Contains no porcine products. 	 No bovine-derived materials are used in the manufacturing process. Contains no porcine products. 	 No bovine-derived materials are used in the manufacturing process. Contains no porcine products.
Latex	HyperRAB® is not made with natural rubber latex.	The vial stopper is not made with natural rubber latex.	There is no latex in the vaccine or vaccine packaging.
Interchangeability	When at all possible the same p	roduct should be used.	
Administration with Other Products	 Administer the first dose of rabies vaccine and RIG at the same time for PEP whenever possible. When administering RIG and rabies vaccine concurrently, use separate needles/syringes and different anatomical sites. The recommended interval between RIG and subsequent immunization with MMR, MMR-Var or Varicella vaccine is 4 months. When it is necessary to administer RIG within 14 days after receiving MMR, MMR-Var, or Varicella vaccines, the vaccine should be repeated 4 months after the RIG administration. If RIG is given more than 14 days after the MMR, MMR-Var, or Varicella vaccines, the dose does not need to be repeated. RIG cannot be given concurrently with live virus vaccines Note: For further information, see #03.110 Standard for Recommended Immunization Schedules. 		
Appearance	Clear to opalescent, colourless or pale yellow or pale brown solution.	Clear to opalescent liquid.	Colourless to light opalescent liquid
Storage	 Store at +2° to +8°C Do not freeze Do not use beyond the labeled expiry date Store in original packaging when possible to protect from light 		
Vaccine Code	RIG		
Antigen Code	RIG		
Licensed for	All ages		
Program Notos:			

Program Notes:

• 1983 September: Introduced into the program.

Related Resources:

- Rabies Immune Globulin Information Sheet
- AH 0005 Rabies Post-exposure Prophylaxis Report (July 2014)

HyperRAB® KamRAB® IMOGAM®

References:

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