Alberta Health Services		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, 2	, 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 informating refer to Rabies Prevention a Veterinary Professionals The MOH/MOH designate work rabies vaccine for an individe (OCMOH) is available for constant state the area information on response exposure prophylaxis. So for detailed information on response exposure prophylaxis. So for detailed information on response to the assignificant exponent vaccine. Previous immunization (prespective) and may reduce on the formation on the present of 0.5 IU/mL or gravely of 0.5 IU/mL or gravely on the present of 0.5 IU/mL or gravely and the present	iduals of all ages if potential hu Id be initiated as soon as poss on risk assessment, rabies po- exposed individuals regardless incident and the type of expos- tus of the animal (if applicable on, assessment of exposure a <u>nd Control Manual Guidance for</u> within the AHS Zone will authori ual. The Office of the Chief Me nsultation if desired by the MO ed with a stock supply of RIG a See <i>Rabies Vaccine Biological</i> eporting of doses administered or post-exposure) does not elir usure occurs. It may eliminate to ce number of vaccine doses re- mpleted appropriate rabies immi- tate antibody titre (rapid fluores eater) should not receive RIG. for definition of appropriate ra- nout of province requiring rabies and a 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 and presence of rabies in and reporting requirements or Public Health and zed the release of RIG or dical Officer of Health H. and rabies vaccine to initiate Page #07.311 Appendix A and process for ordering ninate the need for prompt he need for rabies immune equired for PEP. nunization 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) should be administered concurrently with the first dose rabies vaccine using separate syringe/needle and at a different anatomical site. Notes: If RIG is not administered at the initiation of the rabies vaccine series (day 0), it can be administered up to and including day 7 after the first dose of rabies vaccine. Additional doses may interfere with maximum immunity from the vaccine. RIG should be administered only one time 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) <u>Rabies</u> <u>Prevention and Control Manual Guidance for Public Health and Veterinary</u> <u>Professionals</u> 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. RIG should be infiltrated whenever possible with the following exceptions: If the site of the wound/exposure is unknown, or If the site of the wound/exposure is unknown, or If the site of the wound/exposure is unknown, or If the site of the wound/exposure is unknown, or If the site of the wound/exposure is unknown, or If the site of the wound/exposure is unknown, or If the site of the wound/exposure is unknown, or If the site of the wound/exposure is unknown, or If the site of the wound/exposure is unknown, or If the site of the entire dose of RIG should be administered intramuscularly. 		

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Contraindications/ Precautions		eted appropriate rabies immun antibody titre (rapid fluorescen uld 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. A signed <u>Consent for Treatment/Procedure</u> is required before administering 		
Possible Reactions	 immune globulin products. Common: 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 contraindication to rabies PEP.		
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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Blood/Blood	Made from pooled human venou	s plasma	 1 mg sodium chloride Up to 1 mL water Sodium hydroxide or hydrochloric acid to adjust pH (6.8 ± 0.4) No preservative
Products			
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		
Related ResourcesRabies Immune Gl	ntroduced into the program. : obulin Information Sheet Post-exposure Prophylaxis Repor	 t (July 2014)	

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Re	References:				
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