

## Rabies Post-Exposure Immune Globulin (RIG) & Vaccine

Client name: \_\_\_\_\_ DOB: \_\_\_\_\_

Weight: \_\_\_\_\_ ☐ kgs ☐ lbs Phone number: \_\_\_\_\_

Name of Hospital / Institution: \_\_\_\_\_

### Initiation of Rabies Post-Exposure Protocol (to be completed by Hospital)

- Rabies **immune globulin** (RIG) (HyperRAB or KamRab) **AND** rabies **vaccine** (RabAvert or IMOVAX rabies) should be administered (administration date is considered Day 0).
  - RIG does not need to be administered if the individual previously received a full course of pre-exposure or post-exposure rabies vaccine.
  - RIG dose must be calculated by weight.
  - See reverse for RIG dose calculation and administration guidance for both RIG and vaccine.

	Date administered (mmm/dd/yyyy)	Brand (check one)	Dose	Lot number	Expiry
Day 0 RIG		<input type="checkbox"/> HyperRAB <input type="checkbox"/> KamRab			
Day 0 vaccine		<input type="checkbox"/> IMOVAX Rabies <input type="checkbox"/> RabAvert	1.0 mL		

\*Check here ☐ if individual is receiving vaccine only due to previously completion of pre-exposure or post-exposure rabies vaccine.

### Continuation of Rabies Post-Exposure Protocol

- Subsequent doses of rabies vaccine should be administered on day 3, 7, and 14. If individual is immunocompromised or on antimalarials, a dose should also be administered on day 28. Individuals can receive these doses at the Middlesex-London Health Unit, by appointment, 7 days a week. Please note that RIG and day 0 vaccine cannot be scheduled at the Health Unit.

	Date administered (mmm/dd/yyyy)	Brand (check one)	Dose	Lot number	Expiry	Provider /Institution
Day 3 Vaccine		<input type="checkbox"/> IMOVAX Rabies <input type="checkbox"/> RabAvert	1.0 mL			
Day 7 Vaccine		<input type="checkbox"/> IMOVAX Rabies <input type="checkbox"/> RabAvert	1.0 mL			
Day 14 Vaccine		<input type="checkbox"/> IMOVAX Rabies <input type="checkbox"/> RabAvert	1.0 mL			
*Day 28 Vaccine		<input type="checkbox"/> IMOVAX Rabies <input type="checkbox"/> RabAvert	1.0 mL			

\*If immunocompromised or on antimalarials

### Questions and Appointments

- Call the Middlesex-London Health Unit at 519-663-5317
  - If calling with questions during business hours, ask to speak with the Rabies Coordinator (extension 8010). If calling after hours, the answering service will direct your call
  - If scheduling your remaining vaccine appointments, ask to speak with the Vaccine Preventable Disease Team. **Appointments are required.**
  - Vaccine appointments will occur at Middlesex-London Health Unit at 355 Wellington St, Suite 110, London.

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## Guidance for the administration of rabies immune globulin (RIG) (HyperRAB or KamRab)

The dosage is: 20 IU/kg, or 9.09 IU/lb body weight.

The RIG comes in a concentration of 150 IU/mL or 300 IU/mL.

### For 150 IU/mL Raglg in 2 mL vials:

- $20 \text{ IU/kg} \times (\text{client wt in kg}) \div 150 \text{ IU/mL} = \text{dose in mL}$ ; **Dose in mL  $\div$  2 mL/vial = # of vials**
- $9.09 \text{ IU/lb} \times (\text{client wt in lb}) \div 150 \text{ IU/mL} = \text{dose in mL}$ ; **Dose in mL  $\div$  2 mL/vial = # of vials**

### For 300 IU/mL Rablg in 1 mL vials:

- $20 \text{ IU/kg} \times (\text{client wt in kg}) \div 300 \text{ IU/mL} = \text{dose in mL}$ ; **Dose in mL  $\div$  1 mL/vial = # of vials**
- $9.09 \text{ IU/lb} \times (\text{client wt in lb}) \div 300 \text{ IU/mL} = \text{dose in mL}$ ; **Dose in mL  $\div$  1 mL/vial = # of vials**

If anatomically feasible, the full dose of RIG should be thoroughly infiltrated into the wound and surrounding area. Any remaining volume should be injected intramuscularly at a site distant from the site of vaccine administration using a separate syringe and needle. A separate injection site is to be used for the first dose of the rabies vaccine.

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## Administration of rabies vaccine (RabAvert or IMOVAX Rabies)

- Rabies vaccine for post-exposure prophylaxis is administered as 1.0 ml IM (1 vial) on days 0, 3, 7, and 14 for those who are previously unimmunized, immunocompetent and not on antimalarials. For those who are immunocompromised or on antimalarials, an extra dose is given on day 28.
- For those who have previously received a full course of pre-exposure or post-exposure rabies vaccine with vaccines available in Canada, 1.0 ml IM is administered on days 0 and 3 without rabies immune globulin. See the [Canadian Immunization Guide, Rabies Chapter](#) for more information.

Rabies vaccine should be given in the deltoid for those 1 year of age or older, and in the anterolateral thigh for infants less than 1 year of age. **DO NOT** administer rabies vaccine subcutaneously. **DO NOT** administer rabies vaccine in the gluteal muscle. **DO NOT** administer rabies vaccine at the same site as rabies immune globulin. Wherever possible, an immunization series should be completed with the same product.

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