

Rabies Immune Globulin (Rablg) – HyperRAB® / KAMRAB® / IMOGRAM®

- All Rablg is ideally administered on Day 0.
- Dose of 20 IU/kg by weight for all age groups

For 1 mL vials containing 300 IU/mL human rabies immunoglobulin (Rablg):

20 IU/kg x (client wt in kg) ÷ 300 IU/mL = dose in mL
(dose in mL ÷ 1 mL/vial = # of vials to order)

For 2 mL vials containing 150 IU/mL Rablg:

20 IU/kg x (client wt in kg) ÷ 150 IU/mL = dose in mL
(dose in mL ÷ 2 mL/vial = # of vials to order)

- Infiltrate each wound/exposure site with portion of Rablg using a separate needle and syringe.
- DO NOT** administer more than the maximum dosage of Rablg per body weight.
- DO NOT** administer Rablg in the same anatomical location as rabies vaccine.
- Dilute Rablg (if required) per product monograph.
- Give Rablg to individuals who have not previously received appropriate rabies immunization. *
- Draw up 1 vial at a time.
- If entire calculated Rablg dose cannot anatomically be infiltrated around wound(s)/exposure site(s), inject any remaining Rablg volume IM at site(s) distant from the site of vaccine administration

TOTAL BODY WEIGHT		# VIALS
≤ 33 lbs	≤15 Kg	1
>33–66 lbs	>15-30 Kg	2
>66-99 lbs	>30-45 Kg	3
>99-132 lbs	>45-60 Kg	4
>132-165 lbs	>60-75 Kg	5
>165-198 lbs	>75-90 Kg	6
>198-231 lbs	>90-105 Kg	7
>231-264 lbs	>105-120 Kg	8
>264-297 lbs	120-135 Kg	9
>297-330 lbs	>135-150 Kg	10



Rabies Vaccine - IMOVAX® (HDCV) / RabAvert® (PCECV)

- Administer rabies vaccine dose (1.0 mL) intramuscularly (IM) in the deltoid (children & adults) or anterolateral thigh (infants & small children).
- Administer at different anatomical site than Rablg using a separate needle and syringe.
- NEVER** administer rabies vaccine in the gluteal region due to diminished immune response.
- Ensure **ALL** doses are administered at appropriate intervals.
- DO NOT** administer doses early.
- If a dose is delayed, it should be given as soon as possible (**ASAP**) and the schedule resumed with the appropriate intervals from the most recent dose.

Patient Profile	Day 0	Day 3	Day 7	Day 14	Day 28
Patient previously immunized with rabies vaccine (total 2 doses)*	●	●			
Immunocompetent patient (total 4 doses)	●	●	●	●	
Immunocompromised patient (total 5 doses)**	●	●	●	●	●



*Completed course of pre- or post-exposure prophylaxis with either human diploid cell culture rabies vaccine (HDCV) or purified chick embryo cell vaccine (PCECV) -OR- Completed immunization with other types of rabies vaccine (or with HDCV or PCECV according to unapproved schedules) with an acceptable antibody response to be a titre of at least 0.5 IU/mL by rapid fluorescent-focus inhibition test.

**Includes those taking corticosteroids or other immunosuppressive agents, those who have immunosuppressive illnesses, and those taking chloroquine & other antimalarials.

Rabies Post-Exposure Prophylaxis (rPEP)

Quick Reference Guide

COMMON ADVERSE REACTIONS *

*Serious or severe adverse effects are rare and are not listed here. Please consult the product monograph for details.

Rabies Immune Globulin (Rablg) - HyperRAB® / KAMRAB® / IMOOGAM®

- Local: pain, erythema, induration
- Systemic: headache, low-grade fever

Rabies Vaccine - IMOVOX® (HDCV)

- Local: pain, erythema, swelling, pruritus, induration – (60% to 90%)
- Systemic: headache, nausea, abdominal pain, muscle aches, dizziness – (6% to 55%)

Rabies Vaccine - RabAvert® (PCECV)

- Local: pain, tenderness, swelling, erythema, induration – (10% to 60%)
- Systemic: malaise, myalgia, arthralgia, headache, fever – (1% to 10%)

CONTRAINDICATIONS & PRECAUTIONS

- There are no contraindications to the use of rabies vaccine or Rablg after significant exposure to a proven rabid animal.
- Post-exposure vaccination should never be postponed.
- Pregnancy is not a contraindication to post-exposure prophylaxis with rabies vaccine or Rablg.
- Consultation should be sought regarding administration for patients with a proven history of hypersensitivity to product components or packaging.

Product	Potential Allergens
IMOOGAM®	Latex in vial stopper
IMOVOX®	Neomycin, phenol red
RabAvert®	Amphotericin B, chick protein, chlortetracycline, neomycin, polygeline (gelatin)

DRUG INTERACTIONS

Product	Potential Allergens	Effect
Rabies Vaccine	Radiation therapy, chloroquine, corticosteroids, immunosuppressive agents	Diminished efficacy of rabies vaccine
Rablg	MMR, MMRV, monovalent varicella vaccines	Diminished response to live vaccines; delay vaccination with these vaccines for 4 months after Rablg

VACCINE INTERCHANGEABILITY

Wherever possible, an immunization series should be completed with the same vaccine product. However, if it is not feasible to do so, PCECV and HDCV are considered interchangeable.

How to administer Rabies Immune Globulin and Rabies Vaccine Video - <https://youtu.be/yCuTF3hVt-o>

REFERENCES:

Adapted from York Region Public Health
 Management of Potential Rabies Exposures Guideline, 2020 – Ministry of Health
 Canadian Immunization Guide, Part 4 – Government of Canada