

TO: Halton Physicians

Medical Chiefs of Staff: Joseph Brant Hospital, Halton Healthcare (Oakville, Milton and Georgetown Hospitals)
Chairs of: Family Practice, Paediatrics, Internal Medicine, Emergency, Obstetrics and Gynaecology, Surgery
Chief of Laboratory Services and Infection Control Practitioners

POST IN: Emergency Department and Physicians Lounge

FROM: Dr. Hamidah Meghani, Medical Officer of Health

DATE: July 29, 2019

RE: 2019 Changes to Formulation of Rabies Immune Globulin (Rablg) Available in Ontario

Rablg will now be available in one of two formulations until all remaining stock of 2 ml Rablg has been depleted from the Health Department's supply:

- 2 ml vials containing 150 IU/ml;
- 1 ml vials containing 300 IU/ml.

When administering, please ensure the appropriate formula specific to the Rablg formulation is used to calculate the dose required for the client, and use **Table 1** to determine how many vials to request.

For 150 IU/ml Rablg in 2 ml vials:

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

For 300 IU/ml Rablg in 1 ml vials:

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

Table 1: Number of Vials of Rablg Required per Total Body Weight of Client

Total Weight of client		# of Vials	Total Weight of client		# of Vials
$\leq 33 \text{ lbs}$	$\leq 15 \text{ Kg}$	1	$>165 - 198 \text{ lbs}$	$>75 - 90 \text{ Kg}$	6
$>33 - 66 \text{ lbs}$	$>15 - 30 \text{ Kg}$	2	$>198 - 231 \text{ lbs}$	$>90 - 105 \text{ Kg}$	7
$>66 - 99 \text{ lbs}$	$>30 - 45 \text{ Kg}$	3	$>231 - 264 \text{ lbs}$	$>105 - 120 \text{ Kg}$	8
$>99 - 132 \text{ lbs}$	$>45 - 60 \text{ Kg}$	4	$>264 - 297 \text{ lbs}$	$>120 - 135 \text{ Kg}$	9
$>132 - 165 \text{ lbs}$	$>60 - 75 \text{ Kg}$	5	$>297 - 330 \text{ lbs}$	$>135 - 150 \text{ Kg}$	10

As per the [Health Protection and Promotion Act](#), all health care professionals are required to report any information concerning an animal bite or other animal contact that may result in rabies, to the Halton Region Health Department as soon as possible by calling 311.

Please report all suspected or confirmed cases of [Diseases of Public Health Significance](#) (formerly Reportable Diseases) to the Halton Region Health Department as soon as possible. Diseases marked * should be reported immediately by telephone (24 hours a day, 7 days a week) or fax (Mon-Fri, 8:30 am – 4:30 pm only). Other diseases can be reported the next working day. Call 311, 905-825-6000 or toll free at 1-866-442-5866. For general information, please visit halton.ca.

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