







Hemophilia A: Recombinant Factor VIII (rFVIII) Treatment Options

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rFVIII Products Available from Canadian Blood Services ¹	ADYNOVATE® Antihemophilic Factor (Recombinant), PEGylated	ELOCTATE® (only available under selective criteria) Antihemophilic Factor (Recombinant), Fc Fusion Protein	JIVI® (only available under selective criteria) Antihemophilic Factor (Recombinant, B-Domain deleted, PEGylated)	KOVALTRY® Antihemophilic Factor (Recombinant)	NUWIQ® Antihemophilic Factor (Recombinant, B-Domain deleted)	XYNTHA® Antihemophilic Factor (Recombinant, B-Domain deleted)
Cell line	Chinese Hamster Ovary (CHO)	Human Embryonic Kidney (HEK)	Baby Hamster Kidney (BHK)	Baby Hamster Kidney (BHK)	Human Embryonic Kidney (HEK)	Chinese Hamster Ovary (CHO)
On-demand	✓	✓	✓	✓	✓	✓
Prophylaxis†	✓	✓	✓	✓	✓	✓
Age groups	All ²	All ³	≥12 years of age ⁴	All ⁵	All ⁶	All ⁷
Reconstitution device	BAXJECT II Hi-Flow	PFS and Vial Adapter	PFS and Vial Adapter	PFS and Vial Adapter	PFS and Vial Adapter	PFS and Vial Adapter or Solofuse
Available sizes (250, 500, 1000 and 2000 IU)	✓ + 750, 1500 and 3000 IU	✓ + 750, 1500 and 3000 IU	✓ + 3000 IU	✓ + 3000 IU	✓ + 2500, 3000 and 4000 IU	✓ + 3000 IU
Diluent volume	 2 or 5 mL (depending on vial)	 3 mL	 2.5 mL	 2.5 or 5 mL (depending on vial)	 2.5 mL	 4 mL
rFVIII modification	PEGylation	Fc Fusion	PEGylation	No Fusion or PEGylation	No Fusion or PEGylation	No Fusion or PEGylation
Contains non-medical polysorbate or poloxamer (types of PEG)	✓ (PS80)	✓ (PS80)	✓ (PS80)	✓ (PS80)	✓ (P188)	✓ (PS80)

The comparative information provided in the table above does not convey the relative effectiveness and/or safety of the listed products. As with all treatment options, your licensed healthcare professional must determine what therapy is appropriate for you based on their assessment of your individual treatment needs and goals.

† Prophylaxis is a course of treatment to prevent bleeds.

IU = international units; P188 = poloxamer 188; PFS = pre-filled syringe; PS80 = polysorbate 80

1. Available from: <https://www.hemophilia.ca/files/CBS%20announces%202018-2020%20contracts.pdf>

2. Adynovate Product Monograph. Shire Pharma Canada ULC (now part of Takeda Canada Inc.) May 1, 2020.

3. Eloctate Product Monograph. Bioverativ Canada Inc. November 21, 2019.

4. JIVI Product Monograph. Bayer Inc. October 18, 2018.

5. Kovaltry Product Monograph. Bayer Inc. June 28, 2019.

6. Nuwiq Product Monograph. Octapharma Canada Inc. December 14, 2018.

7. Xyntha Product Monograph. Pfizer Canada Inc. May 11, 2016.

ADYNOVATE is a trademark or registered trademark of Baxalta Incorporated, a Takeda company.
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