

MS therapy injection devices

Feature	 <p>RebiSmart™ from EMD Serono For use with: Rebif® (interferon beta-1a)</p>	 <p>Rebject II™ from EMD Serono For use with: Rebif® (interferon beta-1a)</p>	 <p>Autoject®2 from Teva Pharmaceutical Industries Ltd. For use with: Copaxone® (glatiramer acetate)</p>	 <p>Extavia Autoinjector™ II For use with Extavia® (interferon beta-1b)</p>	 <p>Betaject® Comfort from Bayer Inc. For use with: Betaseron® (interferon beta-1b)</p>	 <p>Betaject® Lite from Bayer Inc. For use with: Betaseron® (interferon beta-1b)</p>	 <p>Personal Injector™ from Union Medico (licensed by Biogen Idec) For use with: Avonex® (interferon beta-1a)</p>	 <p>Disposable syringe/needle available from all manufacturers Available for each disease-modifying drug product</p>
Autoinjector	Electronic injection at the press of a button	Automatic injection at the press of a button	Automatic injection at the press of a button	Automatic injection at the press of a button	Automatic injection at the press of a button	Automatic injection at the press of a button	Automatic injection at the press of a button	N/A
Adjustable injection settings	Maximize injection comfort with adjustable needle speed, injection speed, injection time and needle depth	Adjustable needle depth only	Adjustable needle depth only	Adjustable needle depth only	Adjustable needle depth only (by a trained healthcare professional only)	Adjustable needle depth only (by a trained healthcare professional only)	N/A (manual only)	N/A (manual only)
Dose log/memory	Records date, time and number of all previous injections to individualize injection schedule	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Preset titration doses/schedule (for therapy initiation)	Easily preset by healthcare professional; can make therapy initiation easier for user [*]	Option for a prefilled therapy initiation pack for the titration period [†]	N/A (titration of the initial dose is not necessary) [¶]	User follows professional instructions ^{**}	User is provided a therapy initiation pack for the titration period [‡]	User is provided a therapy initiation pack for the titration period [‡]	No therapy titration pack, user follows professional instructions and potentially wastes medication during therapy initiation period ^{‡‡‡}	Dependent on disease-modifying drug product
On-screen multilingual instructions	Information and interactive instructions available in 26 languages help simplify and guide user through the injection process	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Needle gauge (G) (the higher the needle gauge, the thinner the needle)	Hidden before, during and after injection [*] Two needle sizes: 29G and 30G [†]	Hidden only before and during injection [§] Needle size: 29G [†]	Hidden before, during and after injection Needle size: 29G [¶]	Hidden before, during and after injection ^{**} Needle size: 27G [†]	Hidden before, during and after injection ^{§§} Needle size: 30G	Hidden only before and during injection [†] Needle size: 30G	Exposed during entire administration process ^{***} Two needle sizes: 23G and 25G ^{†††}	Exposed during entire administration process Needle size: dependent on disease-modifying drug product

To learn more about the types of injection devices available to administer MS therapy, visit the *Self-injection* section under the blue *MS Treatment* tab on MSvillagecanada.ca

^{*}RebiSmart™ website. EMD Serono Canada Inc. Available at: <http://www.rebisart.ca/index.aspx?l=0.2>. †RebiSmart™ User Guide. EMD Serono Canada Inc. ‡Rebif® (interferon beta-1a) Product Monograph. EMD Serono Canada Inc. March 2010. §Rebifect II™ Injection Guide. EMD Serono Canada Inc. ¶Copaxone® (glatiramer acetate) Product Monograph. Teva Pharmaceuticals Industries Ltd. April 2009. #Teva website. Available at: <http://www.tevapharm.com/copaxone/>. **Your step by step video guide to injecting Extavia®. Novartis Pharmaceuticals Canada Inc. ††Extavia® (interferon beta-1b) Product Monograph. Novartis Pharmaceuticals Corporation. November 2009. ‡‡Betaseron® (interferon beta-1b) Product Monograph. Bayer Inc. December 2009. §§Injecting Betaseron® with the Betaject® Comfort. MS Gateway website (Bayer HealthCare). Available at: <www.ms-gateway.com/betaferonreg-user-guide/injecting-betaferonreg-with-the-betajectreg-comfort-159.htm>.

^{¶¶}Injecting Betaseron® with the Betaject® Lite. MS Gateway website (Bayer HealthCare). Available at: <www.ms-gateway.com/betaferonreg-user-guide/injecting-betaferonreg-with-the-betajectreg-lite-160.htm>. ##Avonex® (interferon beta-1a) Product Monograph. Biogen Idec. May 2009. ***Biogen Idec, May 2009. Personal Injector™. Available at: <www.personalinjector.com/uk/index.php>. †††Understanding Avonex® PS. Biogen Idec.

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