



BD Intevia™ 2.25mL Disposable Autoinjector wins Good Design Award



We are delighted to announce that BD has won a GOOD DESIGN® Award 2020 for BD Intevia™ 2.25mL Disposable Autoinjector.

Founded in 1950, GOOD DESIGN® is one of the world's most prestigious, recognized, and oldest Design Awards program organized annually by The Chicago Athenaeum Museum of Architecture and Design in cooperation with the European Centre for Architecture, Art, Design and Urban Studies.

Developed specifically to effectively and safely administer a variety of biologic medicines of differing viscosities up to 40cP, BD Intevia™ 2.25mL is a fully mechanical, high performance, 2-step push on skin disposable autoinjector. It is the only push on skin autoinjector that is designed with proprietary knowledge of primary container process controls, integrating key functionality to maximize product performance while also enabling delivery of different viscous drugs without customization.

Biologics offer a new hope in the fight against complex diseases and previously untreatable conditions. Their rapid market growth, combined with the increased demand for home healthcare, driven by the ever-increasing prevalence of chronic diseases, is fueling increased demand for robust, high-performance, drug delivery solutions.

The biotech market has previously been driven by 1mL drug delivery device solutions where, in order to reduce injection frequency, companies have focused on increasing drug concentrations which in turn can lead to an increase in viscosity. As viscosities have risen, biotech companies are now frequently reformulating drugs to higher volumes. To administer these larger volume, higher viscosity drugs within an acceptable injection time that a patient can tolerate, there is an increasing need for a reliable and robust drug delivery solution.

Whilst some devices are being developed to deliver much higher doses and viscosities through body worn systems, there is a need to innovate handheld self-injection devices to provide new solutions in the ~2mL space for a variety of higher viscosity drugs.

Such devices need to facilitate efficient handheld delivery of these doses and allow patients, who are often managing long term medical conditions, to do so in the comfort of their own home; the combination aiming to improve delivery outcomes, patient quality of life, and adherence to treatment.

BD Intevia™ 2.25mL Disposable Autoinjector is purposefully designed to meet these market needs. It was specifically developed to deliver a dose volume of 2.25mL but with the flexibility to deliver a range of viscosities without the need for customization during manufacture. This "platform" design provides a new solution for the market that not only



supports patients with an improved experience, but supports biotech companies with an efficient manufacturing approach.

These technical capabilities are coupled with a detailed consideration of the user, the combination providing a simple to use device that has clear visual, audible, and tactile cues during operation and has a specifically designed ergonomic form to enable easy and flexible handling by all users, including those with limited physical capability. From the cap features enabling ease of removal, to the large primary container viewing window that is specifically designed to maximize visibility of the drug and delivery progress, through to the integral needle safety system, the device sensitively balances technical requirements with human centered design principles to provide an exciting new offering to the market.

BD Intevia™ 2.25mL is the product of a rigorous evidence-based development approach, covering all aspects of the design. In-depth user research was carried out to determine and assess technical and ergonomic requirements as well as aesthetic preference. The design work held these user needs in primary focus whilst carefully integrating them with the foundational technical architecture. This has resulted in a simple to use device that offers an efficient technical platform for dose viscosity customization within a visually attractive yet highly ergonomic form factor.

BD Intevia™ 2.25mL adds to BD's strong track record of delivering successful integrated solutions for specialized systems and sub-systems across its manual, autoinjector and safety system portfolio. All developments are supported by robust data on critical parameters, such as tolerance stack-ups, to provide insights for development and evidence of system performance to help ensure effective delivery of medication to patients.

<https://www.good-designawards.com/award-details.html?award=37759>

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