

Go for the obvious solution.



swissmade 

The intuitive dual-chamber monodose device.

- Intuitive and proven twisting method for reconstitution and priming ensures maximum patient acceptance
- Excellent cartridge visualisation provides direct feedback to the patient
- The correct handling sequence is ensured by design, minimizing the risk of handling errors
- Reconstitution and priming positions clearly indicated with visual markings and audible “click” signals for increased patient confidence
- Built-in needle safety in combination with mylife™ Clickfine® AutoProtect™ safety pen needles
- Complete family of devices to fulfil a broad range of therapeutic needs



More confidence. More success. With Ypsomed Delivery Systems.

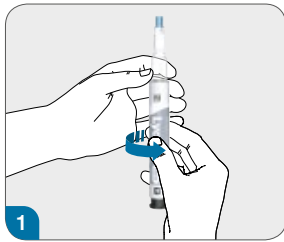


LyoTwist™ – dual-chamber monodose device

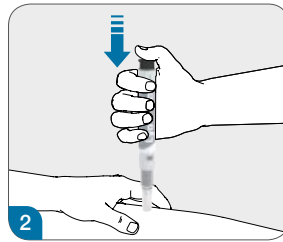
Twisting to reconstitute is obvious

The LyoTwist™ monodose device family for dual chamber cartridges is based on Ypsomed's proven twisting method for reconstitution and priming. The devices provide excellent visualisation of the reconstitution, priming and injection steps. A complete range of device versions ensures that various drug, therapy and patient needs are met.

Handling steps for fixed dose versions

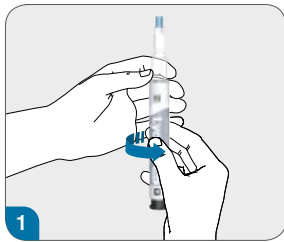


1 Mix and prime



2 Inject

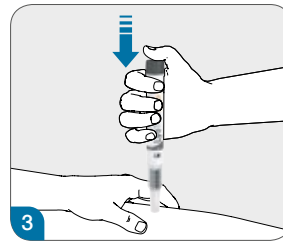
Handling steps for variable dose versions



1 Mix and prime



2 Select dose



3 Inject



The intuitive solution

Simple and safe reconstitution and injection

Handling

- Transparent cartridge holder provides full visualisation of the cartridge for maximum patient confidence
- Dose button locked until reconstitution and priming are completed ensuring intuitive handling
- Audible and tactile end-of-injection “click” increases confidence and compliance

Customisation and manufacturing

- Simple mechanical design optimised for high-volume manufacturing at minimal cost
- Dose volume easy to customise



All LyoTwist™ injection devices have obvious markings showing reconstitution, priming and dosing positions.

Device versions and customisation

From manual to automatic and fixed to variable dosing

The LyoTwist™ device family covers a wide range of single-dose delivery needs based on a dual chamber cartridge. In addition to selecting the appropriate technical solution we are able to customise the LyoTwist™ according to your individual drug and therapy needs.



1 LyoTwist Trio

- Manual injection
- Single fixed dose

2 LyoTwist Vario

- Manual injection
- Single variable dose
- Up to 6 dose settings

3 LyoTwist Trio S

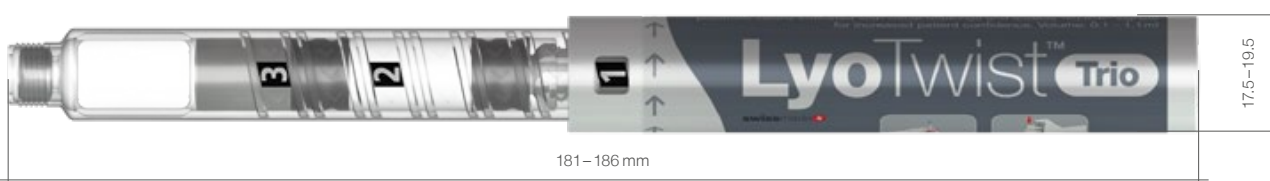
- Automatic injection
- Single fixed dose

4 LyoTwist Vario S

- Automatic injection
- Single variable dose
- Up to 8 dose settings

Dimensions and specifications

Facts and figures

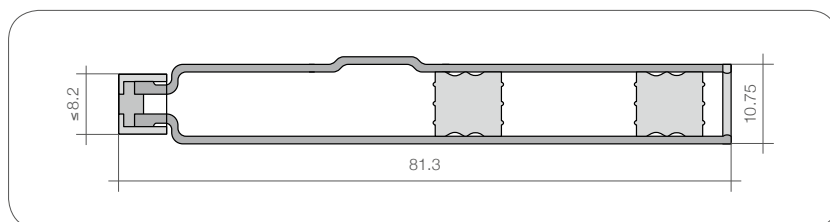


Device specifications

Min. dose	0.1 ml
Max. dose	1.0 ml

Compatible needle type	Compatible with standard and safety pen needles* – mylife™ Clickfine® and mylife™ Clickfine® AutoProtect™ pen needles recommended
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Cartridge dimensions (mm)



*Pen needles according to ISO 11608-2

The LyoTwist™ can accommodate a range of dual-chamber cartridge formats.

Your delivery system

Drawing on our experience and competence

- Ypsomed has extensive experience in injection device development and manufacturing of more than 30 years and has numerous devices on the market.
- You can expect high quality support for selection of the primary container, customisation of the industrial design, demonstrating dose accuracy and preparing the relevant CTD sections for the registration of the combination product.

More **confidence.**
More **success.**
With **Ypsomed Delivery Systems.**



Pen systems



Autoinjector systems



Patch injector systems



Smart services

Ypsomed Delivery Systems provides a complete range of drug delivery products and services to biopharmaceutical companies. We offer everything from development and design to manufacturing and packaging, giving patients and customers more confidence and leading to more market success.