

# UniSafe<sup>®</sup> 1mL Auto-injector

UniSafe<sup>®</sup> 1mL Auto-injector is a reusable, mechanical companion auto-injector for UniSafe<sup>®</sup> 1mL safety syringe available with optional connectivity

Coming soon



## UniSafe<sup>®</sup> 1mL Connected Auto-injector Product Specification

<b>Dimensions and weight</b>	L=199mm (with cap) W=49mm H=40mm Weight=170g UniSafe <sup>®</sup> =1mL 5g
<b>Passive needle safety</b>	Needle shroud on UniSafe <sup>®</sup> syringe automatically deployed during auto-injector use
<b>Primary container/syringe type</b>	Standard glass cropped (cut) flange assembled in UniSafe <sup>®</sup> 1mL safety syringe
<b>Syringe size and fill volume</b>	0.2 - 1.0 mL in UniSafe <sup>®</sup> 1mL safety syringe
<b>Needle insertion and drug delivery</b>	Automatic, pressure activation with mechanical drug delivery
<b>Needle type and gauge</b>	Up to 29G TW. Dependant on drug fill, viscosity and injection time
<b>Needle insertion depth (subcutaneous)</b>	Set to inject at 6.5 mm +/-1.5mm
<b>Needle shield type</b>	Rigid needle shield (removed and retained by auto-injector cap, with user release)
<b>Injection angle</b>	90°
<b>Start and end of dose notification</b>	Visual continuous LED confirmation during dose delivery plus mechanical flag and distinct audible alert at end of dose - can be adjusted to individual drug specific hold time
<b>Connectivity and power (LED and Bluetooth<sup>®</sup>)</b>	Bluetooth <sup>®</sup> and life-time battery (4 years after manufacture) - automatic data transfer on Bluetooth <sup>®</sup> connection
<b>Data storage (connected option)</b>	Data storage (connected option) Automatic dose history storage for lifetime of product (over 1000 records) even during power loss



## Sustainability



## Reliability



## Patient-centric design



## Connectivity



### Sustainability

#### Reducing waste and environmental impact

- The reusable design reduces waste and environmental impact compared to typical usage with disposable auto-injectors. The safety syringe is the only disposable part and weighs only 5g which is significantly less than cassette system designs.
- Electronics are housed in the lid and the device can be disassembled for separate disposal and recycling of parts.
- A life cycle analysis has been conducted to help understand the environmental impacts of materials, manufacturing, and transportation of the device. Using this information will help us to improve and optimise the device design and supply chain in the future.



### Reliability

#### Ensuring medication delivery for the patient

- The mechanical drug delivery is not dependent on battery function so the patient can always receive their medication.
- End of dose confirmation via clear audible and visible feedback. The continuous dose progression indicator helps to prevent early device removal and provides patients with reassurance that medication delivery is completed.
- No reliance on software for critical patient indicators.
- Patients can rely on the fail-safe design of UniSafe® 1mL Auto-injector as medication can be administered independently of the auto-injector, using the UniSafe® 1mL safety syringe.
- No charging required due to lifetime battery\* and it is always ready for use.



### Patient-centric design

#### Enabling ease-of-use

- Continual dose progression via an LED indicator which can be adjusted to required drug delivery time to provide dose delivery confirmation for the patient whatever the drug.
- With an inbuilt injection error indicator, patients are notified of any drug delivery failures.
- Dampening glide technology creates a smooth and controlled drug delivery, providing comfort and reassurance for the patient as well as helping to prevent syringe damage.
- Consistent and easy to activate and use with no additional user steps.
- Helps to protect against needlestick injuries and mitigate needle phobia with a needle which is concealed before, during and after use.



### Connectivity

#### Facilitating data exchange

- Optional inbuilt connectivity for data exchange between patients and healthcare providers helping to both track and improve therapy compliance.
- No docking required with UniSafe® 1mL Auto-injector as automatic data transfer takes place once Bluetooth® connection is made.
- Automatic Bluetooth® communications when the shroud is pressed onto the injection site.
- UniSafe® 1mL Auto-injector has an internal memory and automatically stores data for over 1000 records allowing medication history to be retained for the life of the device.

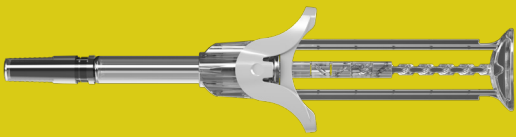
# UniSafe® Platform

**Delivering the future with safety and simplicity**

Developed around UniSafe®, our platform meets the needs of you, our partner, and your varying patients' needs both now and in the future.

## UniSafe® 1mL

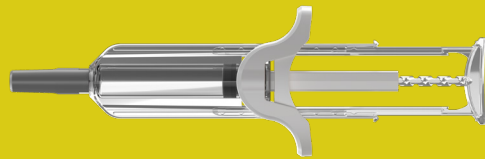
A spring-free, passive safety device for 1mL pre-filled syringes, designed for simple assembly and use.



Proven, on market, in patient use

## UniSafe® 2.25mL

A spring-free, passive safety device for 2.25mL pre-filled syringes, designed for simple assembly and use.



Fully industrialised and ready to supply

## UniSafe® 1mL Auto-injector

A reusable companion auto-injector for UniSafe® 1mL.



Coming soon

## UniSafe® 1mL Connected Auto-injector

A reusable connected companion auto-injector for UniSafe® 1mL.



Coming soon

## Want to know more?

Visit [ompharmaservices.com/products/unisafe-platform](https://ompharmaservices.com/products/unisafe-platform) or email [pharmaservices@owenmumford.com](mailto:pharmaservices@owenmumford.com)

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