



Elexy™

Redefining possibilities



Volume



Viscosity



Device Type	Reusable electromechanical autoinjector
Primary Container	1.0 mL and 2.25 mL pre-filled syringe
Usage	Single dose Reusable power unit
Dosage Type	Empty-all Full contents
Route of Administration	Subcutaneous
Activation Method	Needle cover
Mode of connectivity	Cellular (LTE) with optional Bluetooth® (BLE)
Injection Feedback	Audio, continuous visual (drug inspection window and LED light), and tactile feedback

Copyright © 2024 SHL Medical AG. All rights reserved. Version 1.0 Information accurate at time of print and is subject to change without notice. Contact info@shl-medical.com for more information.

Handling Instructions



1 Insert PFS drug cassette into power unit, twist until dots align.



2 After top light turns on, uncap.



3 Press down on needle cover and wait until top light fades, indicating injection completion.



+ Remove drug cassette and dispose into sharp container.

Key Features

- ✓ One interface that is compatible to both pre-filled syringes and cartridges.
- ✓ Features a reusable and rechargeable power unit.
- ✓ Adaptable device for flexible drug volumes, drug viscosities, and injection speeds.
- ✓ Integrated cellular connectivity for seamless injection experience (Bluetooth® optional).
- ✓ Multiple injection feedback, including visual, audio, and tactile.



Elexy™

Redefining possibilities



Volume



Viscosity



Device Type	Reusable electromechanical autoinjector
Primary Container	3.0 mL and 5.0 mL cartridge with Needle Isolation Technology(NIT®)
Usage	Single dose Reusable power unit
Dosage Type	Empty-all Full contents
Route of Administration	Subcutaneous
Activation Method	Needle cover
Mode of connectivity	Cellular (LTE) with optional Bluetooth® (BLE)
Injection Feedback	Audio, continuous visual (drug inspection window and LED light), and tactile feedback

Copyright © 2024 SHL Medical AG. All rights reserved. Version 1.0 Information accurate at time of print and is subject to change without notice. Contact info@shl-medical.com for more information.

Handling Instructions



1 Insert cartridge drug cassette into power unit, twist until dots align.



2 After top light turns on, unscrew cap.



3 Press down on needle cover and wait until top light fades, indicating injection completion.



+ Remove drug cassette and dispose into sharp container.

Key Features

- ✓ One interface that is compatible to both pre-filled syringes and cartridges.
- ✓ Features a reusable and rechargeable power unit.
- ✓ Adaptable device for flexible drug volumes, drug viscosities, and injection speeds.
- ✓ Integrated cellular connectivity for seamless injection experience (Bluetooth® optional).
- ✓ Multiple injection feedback, including visual, audio, and tactile.



Device type	Connected add-on for autoinjectors
Compatibility	Molly and Molly 2.25 autoinjectors
Detection technology	Mechanical sensor
Parameter monitoring	Autoinjector cap removal
Mode of communication	Bluetooth® beacon connectivity
Battery shelf life	Minimum of 12 months Single use
Software integration	Option to integrate with SHL or third-party digital ecosystems

Copyright © 2024 SHL Medical AG. All rights reserved. Version 1.0 Information accurate at time of print and is subject to change without notice. Contact info@shl-medical.com for more information.

Technology application



Platform technology enables adding or retrofitting of connectivity to new and existing Molly autoinjectors.



Seamless data transfer for device and event monitoring in support of therapy management.



Configurable to integrate into any digital ecosystem.



Easy assembly to support faster introduction into clinical trials.

Key Features

- ✓ Based on proven Molly modular autoinjector platform technology
- ✓ Supported by SHL's Every Injection Counts™ program
- ✓ Flexible assembly options for clinical and commercial delivery
- ✓ Designed to be compatible with various medical data systems, IoT devices, and apps
- ✓ No user assembly or pairing required
- ✓ Designed to be stored together with drugs in refrigerated environment
- ✓ Does not impose on existing autoinjector usability*
- ✓ Designed for recyclability of batteries and electronics



Molly[®]
Modular Platform
Technology



Volume 

Viscosity 

Device Type

Disposable autoinjector

Primary Container

1.0 mL long pre-filled sryinge with staked needle

Dosage Type

Fixed | Full contents

Route of Administration

Subcutaneous

Activation Method

Needle cover

Injection Feedback

Audible click at beginning and toward end of injection, viewing window

Copyright © 2024 SHL Medical AG. All rights reserved. Version 2.5 Information accurate at time of print and is subject to change without notice. Contact info@shl-medical.com for more information.

Handling Instructions



1
Remove cap.



2
Press and hold against injection site to activate.



+

Discard in sharps container.

Key Features

- ✓ Simple 2-step operation
- ✓ Needle cover activation
- ✓ Audible, visual, and tactile feedback
- ✓ One-handed operation
- ✓ Ultra-compact design
- ✓ Permanently hidden needle
- ✓ Passive locking needle cover
- ✓ Preconfigured or customized to client specifications



Molly[®]
Modular Platform
Technology



Volume 

Viscosity 

Device Type

Disposable autoinjector

Primary Container

2.25 mL pre-filled syringe with staked needle

Dosage Type

Fixed | Full contents

Route of Administration

Subcutaneous

Activation Method

Needle cover

Injection Feedback

Audible click at beginning and toward end of injection, viewing window

Copyright © 2024 SHL Medical AG. All rights reserved. Version 2.5 Information accurate at time of print and is subject to change without notice. Contact info@shl-medical.com for more information.

Handling Instructions



Remove cap.



Press and hold against injection site to activate.



Discard in sharps container.

Key Features

- ✓ Simple 2-step operation
- ✓ Needle cover activation
- ✓ Audible, visual, and tactile feedback
- ✓ One-handed operation
- ✓ Larger volume
- ✓ Permanently hidden needle
- ✓ Ergonomic cap removal
- ✓ Robust anti-roll design



Maggie®

Two Step Cartridge-Based Solution



Volume 
 Viscosity 

Device Type	Disposable autoinjector
Primary Container	3.0 mL standard ISO cartridge with pre-installed needle (NIT®)
Dosage Type	Fixed Dose Optional automated priming and titration
Route of Administration	Subcutaneous Intramuscular
Activation Method	Needle cover
Injection Feedback	Continuous audible clicks during injection, viewing window

Copyright © 2024 SHL Medical AG. All rights reserved. Version 2.6 Information accurate at time of print and is subject to change without notice. Contact info@shl-medical.com for more information.

Handling Instructions

* For suspension drugs that require a priming step – hold device with cap upright during cap removal.



1 Unscrew cap until needle cover automatically extends*. Then remove cap.



2 Press and hold against injection site to activate.



+ Discard in sharps container.

Key Features

- ✓ Simple 2-step operation
- ✓ Needle cover activation
- ✓ Continuous audible and visual feedback
- ✓ One-handed operation
- ✓ Permanently hidden needle
- ✓ Compact design
- ✓ Customizable needle length and gauge
- ✓ Passive locking needle cover
- ✓ Customized to client specifications



Maggie[®]
Two Step Cartridge-Based Solution

5.0
mL



Volume 
Viscosity 

Device Type	Disposable autoinjector
Primary Container	5.0 mL cartridge with pre-installed needle (NIT [®])
Dosage Type	Fixed dose Optional automated priming and titration
Route of Administration	Subcutaneous Intramuscular
Activation Method	Needle cover
Injection Feedback	Continuous audible clicks during injection, viewing window

Copyright © 2024 SHL Medical AG. All rights reserved. Version 1.0 Information accurate at time of print and is subject to change without notice. Contact info@shl-medical.com for more information.

Handling Instructions

* For suspension drugs that require a priming step – hold device with cap upright during cap removal.



1
Unscrew cap until needle cover automatically extends*. Then remove cap.



2
Press and hold against injection site to activate.



+
Discard in sharps container.

Key Features

- ✓ Simple 2-step operation
- ✓ Needle cover activation
- ✓ Continuous audible and visual feedback
- ✓ One-handed operation
- ✓ Permanently hidden needle
- ✓ Compact design
- ✓ Customizable needle length and gauge
- ✓ Passive locking needle cover
- ✓ Customized to client specifications



VSDI[®]+NIT[®]

Variable Dose Pre-Attached
Needle Solution



Volume 
Viscosity 

Device Type	Disposable autoinjector
Primary Container	1.5 mL to 3.0 mL cartridge with pre-installed needle (NIT [®])
Dosage Type	Single variable dose Automated priming
Route of Administration	Subcutaneous
Activation Method	Needle cover
Injection Feedback	Continuous audible clicks during injection, viewing window

Copyright © 2024 SHL Medical AG. All rights reserved. Version 2.5 Information accurate at time of print and is subject to change without notice. Contact info@shl-medical.com for more information.

Handling Instructions



1 Hold device with cap upright. Unscrew cap until needle cover automatically extends. Then remove cap.



2 Dial desired dose.



3 Press and hold device against injection site to activate.



+ Discard in sharps container.

Key Features

- ✓ Simple 3-step operation
- ✓ Needle cover activation
- ✓ Continuous audible and visual feedback
- ✓ One-handed operation
- ✓ Permanently hidden needle
- ✓ Compact design
- ✓ Customizable needle length and gauge
- ✓ Passive locking needle cover
- ✓ Customized to client specifications



SDI MIX[®]+NIT[®]

Twist & Mix



Volume 
 Viscosity 

Device Type	Disposable autoinjector
Primary Container	1.0 mL dual-chamber cartridge with pre-installed needle (NIT [®])
Dosage Type	Fixed Automated priming
Route of Administration	Subcutaneous
Activation Method	Needle cover
Injection Feedback	Audible click at beginning of injection, viewing window

Copyright © 2024 SHL Medical AG. All rights reserved. Version 2.5 Information accurate at time of print and is subject to change without notice. Contact info@shl-medical.com for more information.

Handling Instructions



1 Turn rear dial to mix.



2 Hold device with cap upright. Unscrew cap until needle cover automatically extends. Then remove cap.



3 Press and hold against injection site to activate.



4 Discard in sharps container.

Key Features

- ✓ Simple 3-step operation
- ✓ Needle cover activation
- ✓ Audible and visual feedback
- ✓ One-handed operation
- ✓ Permanently hidden needle
- ✓ Customizable needle length and gauge
- ✓ Passive locking needle cover
- ✓ Customized to client specifications



DAI[®] 1.0^{ml}

Button Activated Injector



Device Type	Disposable autoinjector
Primary Container	1.0 mL long syringe with staked needle
Dosage Type	Fixed Full contents
Route of Administration	Subcutaneous
Activation Method	Button activated
Injection Feedback	Audible click at beginning and toward end of injection, viewing window

Copyright © 2024 SHL Medical AG. All rights reserved. Version 2.4 Information accurate at time of print and is subject to change without notice. Contact info@shl-medical.com for more information.

Handling Instructions



1 Remove cap.



2 Hold device against injection site.



3 Push and release activation button to activate.



4 Discard in sharps container.

Key Features

- ✓ Simple 3-step operation
- ✓ Button activation
- ✓ Audible, visual, and tactile feedback
- ✓ One-handed operation
- ✓ Prevents needle-related injuries
- ✓ Permanently hidden needle
- ✓ Passive locking needle cover



DAI[®] 2 1.0^{ml}

PushClick Technology



Volume 

Viscosity 

Device Type	Disposable autoinjector
Primary Container	1.0 mL long syringe with staked needle
Dosage Type	Fixed Full contents
Route of Administration	Subcutaneous
Activation Method	Needle cover
Injection Feedback	Audible click at beginning and toward end of injection, viewing window

Copyright © 2024 SHL Medical AG. All rights reserved. Version 2.4 Information accurate at time of print and is subject to change without notice. Contact info@shl-medical.com for more information.

Handling Instructions



1 Remove cap.



2 Press and hold against injection site to activate.



+ Discard in sharps container.

Key Features

- ✓ Simple 2-step operation
- ✓ Needle cover activation
- ✓ Audible and visual feedback
- ✓ One-handed operation
- ✓ Ultra-compact design
- ✓ Permanently hidden needle
- ✓ Passive locking needle cover
- ✓ Preconfigured or customized to client specifications
- ✓ Compatible with rigid needle shields



Amber®

PushClick Technology



Volume 

Viscosity 

Device Type	Disposable autoinjector
Primary Container	1.0 mL long pre-filled syringe FNS or RNS
Dosage Type	Fixed Full contents
Route of Administration	Subcutaneous
Activation Method	Needle cover
Injection Feedback	Audible click at beginning and toward end of injection, viewing window

Copyright © 2024 SHL Medical AG. All rights reserved. Version 2.4 Information accurate at time of print and is subject to change without notice. Contact info@shl-medical.com for more information.

Handling Instructions



1 Remove cap.



2 Press and hold against injection site to activate.



+ Discard in sharps container.

Key Features

- ✓ Simple 2-step operation
- ✓ Needle cover activation
- ✓ Audible, visual, and tactile feedback
- ✓ Permanently hidden needle
- ✓ One-handed operation
- ✓ Pull- or twist-off cap
- ✓ Ergonomic industrial design
- ✓ Passive locking needle cover



Madie[®] **3.0** mL
Adjustable multi-dose pen injector



Volume 

Viscosity 

Device Type	Disposable pen injector
Primary Container	Up to 3.0 mL cartridge
Dosage Type	Variable Multi-dose 10-990 μ L
Route of Administration	Subcutaneous
Needle Attachment	Manual
Activation Method	Button push, manual injection
Injection Feedback	Injection button locks in place after injection

Copyright © 2024 SHL Medical AG. All rights reserved. Version 2.5 Information accurate at time of print and is subject to change without notice. Contact info@shl-medical.com for more information.

Handling Instructions



1 Screw on outer needle cap to attach the needle. Remove the cap.



2 Turn dial to the priming dose and remove the inner needle shield.



3 Hold device with the needle pointing up. Press injection button to prime.



4 Dial to [00] to reset before dialing the required dose.



5 Hold against injection site and press button until injection is complete



+ Recap the needle and unscrew. Discard the needle in a sharps container

Key Features

- ✓ Advanced reset feature
- ✓ Dial-back dose correction
- ✓ Ergonomic and innovative design
- ✓ Dosing increments from 10-990 μ L