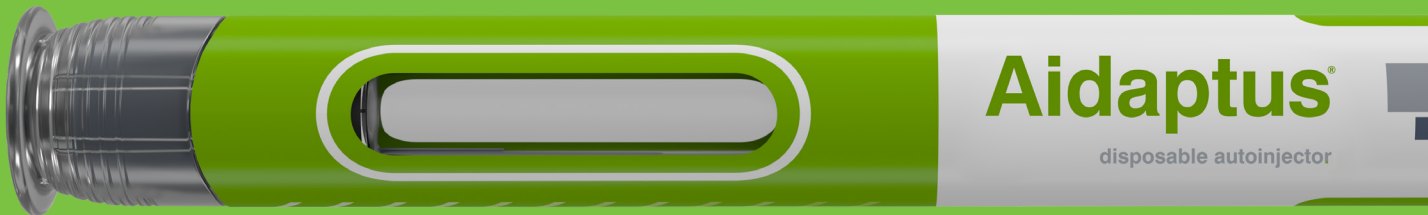


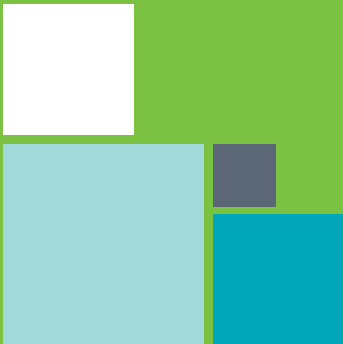
# Aidaptus<sup>®</sup>

2-step single-use autoinjector platform

Versatile design  
**intuitive delivery**



A global leader in autoinjectors, we bring you our next generation product



 **OWEN MUMFORD**  
Pharmaceutical Services

# Aidaptus® overview

Aidaptus® combines innovative patient-centric design and novel technologies delivering a device with clear features and benefits.

**Small, discreet, lightweight design**, enables user to incorporate into daily routine.

**Audible feedback** via a 'click' at the start and end of injection.

**Visual feedback** via a **bright yellow** plunger rod visible through a large window.

Ergonomic cap for **ease of use with multiple RNSs**.



# Introducing Aidaptus® versatility

Aidaptus® is a 2-step single use autoinjector platform, with a versatile design and intuitive drug delivery.

Accommodating both 1mL and 2.25mL glass syringes in the same device, Aidaptus® dynamically adapts to different fill volumes with no changed parts using auto-adjust plunger technology.

Aidaptus® is suitable for reducing risk during drug development and lifecycle management, if the drug formulation has to change - this device doesn't.

## Aidaptus® Specifications

Needle safety	Automatic needle shielding with needle hidden before, during & after use	Needle insertion	Automatic
Primary container/ syringe type	<b>1mL small round and cut/cropped flange (ISO standard)</b> <ul style="list-style-type: none"><li>BD Hypak, BD Neopak, Gerresheimer, Nipro, SG Nexa®</li></ul> <b>2.25 mL small round flange (ISO standard)</b> <ul style="list-style-type: none"><li>BD Hypak, BD Neopak, SG Nexa®.</li></ul>	Start and end of dose notification	End of dose click (>70Db at 1m)
Fill Volume	<ul style="list-style-type: none"><li>1mL: 0.3 - 1.0mL *</li><li>2.25mL: 0.6 - 2.0mL*</li><li>Adapts to a range of different drug fill volumes with no changed parts, with a self-adjusting plunger.</li></ul> <small>*includes air bubble and overfill</small>	Weight	28g (without syringe)
Needle type and gauge	27G STW, 29G TW	Dimensions	H = 162mm (cap on) W=18mm
Needle insertion depth (subcutaneous)	1mL = 6.5mm 2.25 mL = 6.3mm Syringe dependent	Component count	1mL = 11 plastic components, 3 springs, 2 metal pressings  2.25mL = 10 plastic components, 3 springs, 2 metal pressings
Injection angle	90°		

# Aidaptus®: Intuitive delivery. Patient benefits

## Ease of use

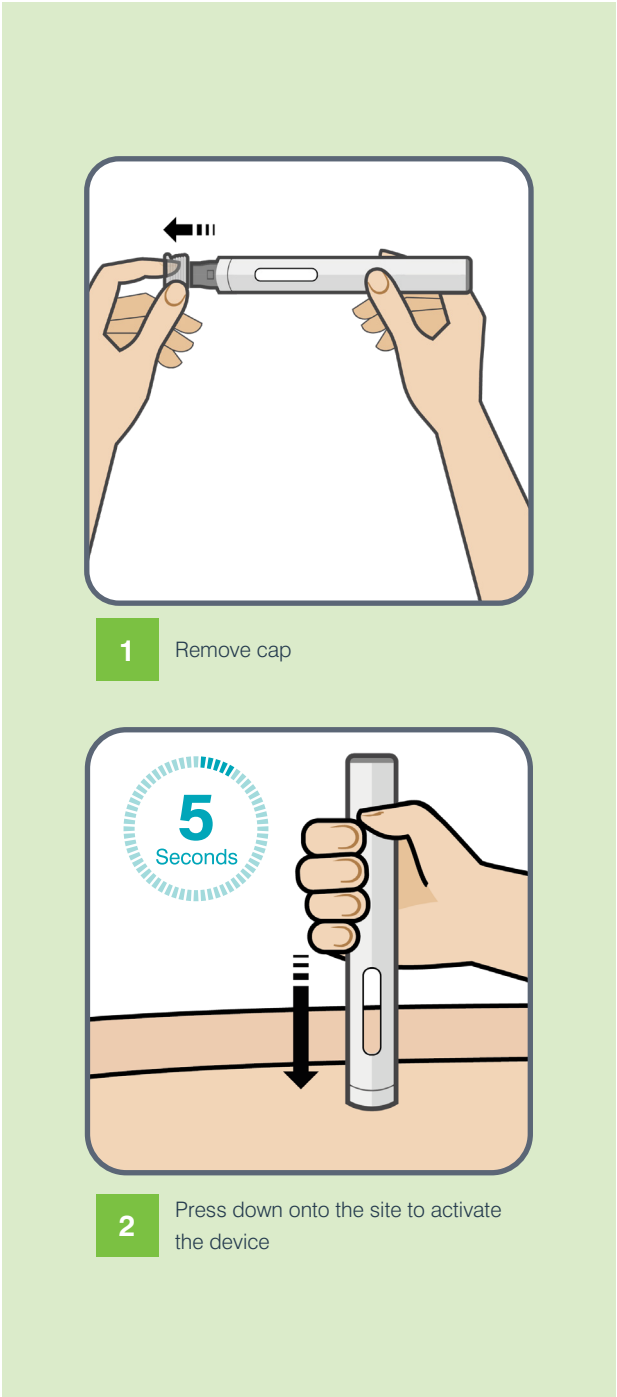
- Small discreet lightweight design
- Tamper evident cap design
- Ergonomic cap for ease of RNS removal
- Simple 2-step intuitive usage: remove cap, position and depress to inject
- Automatic needle insertion and drug delivery
  - Enables consistency of injection experience

## Patient confidence and reassurance

- Clear drug visibility via large device window aids dose checking
- Designed to prevent needlestick injuries with passively deployed complete needle shielding
- Provides reassurance for needle phobic patients with needle hidden before, during and after use
- Audible and visual notifications to provide clear feedback to the user

## Human Factors Testing\*

- All patients were able to handle the device
- No unforeseen usability issues
- No difference in device variants tested



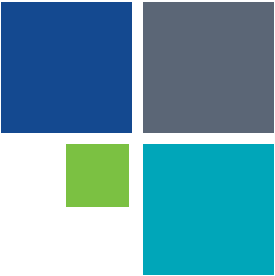
# Fill Volume Flexibility

Aidaptus® dynamically adapts to a range of different drug fill volumes with no changed parts, using **auto-adjust plunger technology**  
**Your fill volume may change, with Aidaptus®**  
**your autoinjector doesn't need to**



\*In addition to an air bubble & overfill

Accommodates both 1mL and 2.25mL syringes in the same device



\*OM HF study 01/20 n =39 mixed patient types including MS and RA and HCPs

# Aidaptus<sup>®</sup>

Provides flexibility in drug development, clinical trials and lifecycle management.



## Flexible

Accommodates both 1mL and 2.25mL glass syringes in the same device and dynamically adapts to different fill volumes with no changed parts using auto-adjust plunger technology.

Reduces complexity and risk in supply chain, and final assembly.



## Drug Development and Lifecycle Management

Aidaptus<sup>®</sup> is especially suitable for reducing risk during drug development and lifecycle management, if the drug formulation has to change - this device doesn't.



## Fast to Market

Minimal change parts for platform capability, which reduces risk.



## Versatile

Simple effective branding and customisation options.



## Robust

Independent 2 phase needle insertion and drug delivery, limiting impact forces on the syringe, which reduces risk of syringe breakages.



## Intuitive

2-step use, automatic needle insertion, simple steps for use.



## Partnership

Owen Mumford Pharmaceutical Services have a proven track record and broad experience of autoinjector development, manufacture and supply.



# Aidaptus<sup>®</sup>

## Versatile design intuitive delivery

Owen Mumford Pharmaceutical Services supporting your combination product development

- Design, development & manufacturing
- HF studies
- Regulatory support
- Final assembly
- Labelling & Packaging
- Intellectual Property
- MRHA drug licence



Now in collaboration with  Stevanato Group

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