

# Neuros<sup>TM</sup> Syringes



## Maximum Control, Minimum Damage

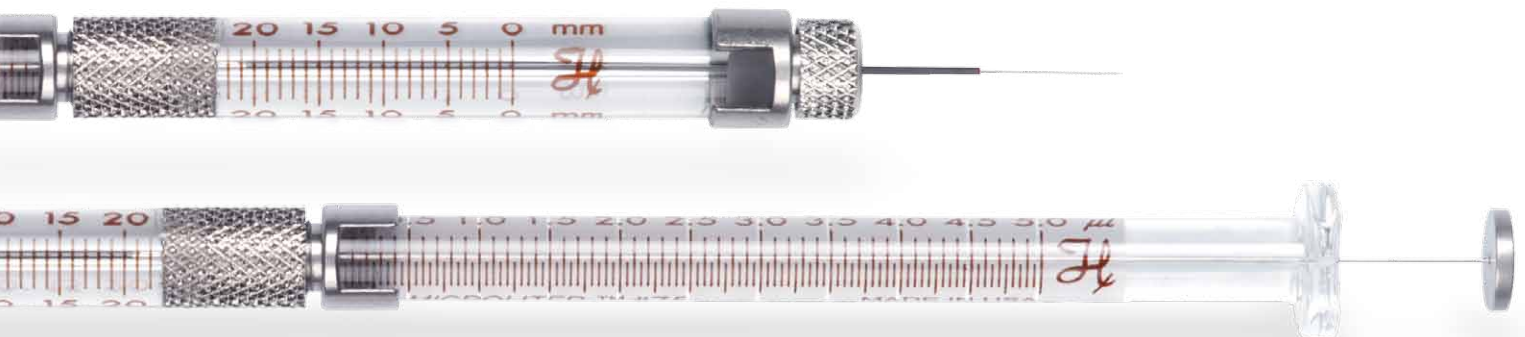
Hamilton Neuros<sup>TM</sup> syringe technology provides unprecedented functionality for controlled animal injections. An industry first, the Neuros accurately dispenses 50 nL to 100  $\mu$ L of liquid through an ultrafine needle protected by a custom-designed sleeve. Developed specifically for the neurosciences, the Neuros minimizes injection site damage by increasing needle rigidity and delivering a microvolume of liquid to an exact location.

## Flexible Options for a Variety of Uses

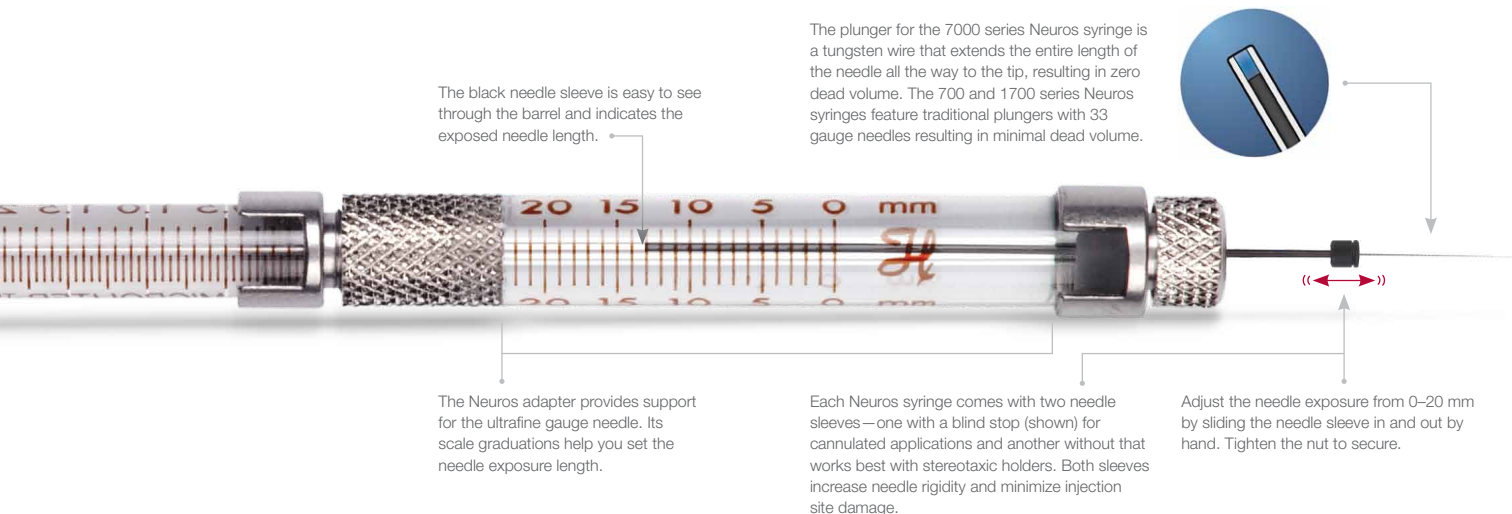
Neuros technology is offered on several models from the 700 Microliter<sup>TM</sup>, 1700 Gastight<sup>®</sup> and 7000 Modified Microliter series. These syringes are crafted to have very little to no dead volume which preserves the maximum amount of buffer and solution. Neuros syringes feature a blunt point (point style 3) so the sample is delivered directly to the site; they also feature two different needle sleeves. The sleeve with a blind stop is perfect for cannulated applications and ensures targeted administration with an adjustable penetration depth. The version without a blind stop works best with stereotaxic holders. Both types provide an adjustable needle exposure of 0 to 20 mm.

## Benefits of the Neuros Design:

- ▶ Needle rigidity improves insertion path accuracy
- ▶ Minimal tissue damage reduces injection variability
- ▶ Reduced sample loss saves money and materials
- ▶ Fine gauge needle creates smaller injection sites
- ▶ Compatibility with most infusion pumps and stereotaxic holders means an easy integration into existing processes



# Neuros™ Syringes



## Ordering Information:

Hamilton Part No.	Volume	Description	Gauge	Syringe Type
65457-01	0.5 µL	Model 7000.5 KH Neuros Syringe	32	Modified Microliter
65458-01	1.0 µL	Model 7001 KH Neuros Syringe	32	Modified Microliter
65459-01	2.0 µL	Model 7002 KH Neuros Syringe	30	Modified Microliter
65460-02	5.0 µL	Model 75 RN Syringe and Neuros Adapter Kit*	33	Microliter
65460-05	10 µL	Model 1701 RN Syringe and Neuros Adapter Kit*	33	Gastight
65460-10	25 µL	Model 1702 RN Syringe and Neuros Adapter Kit*	33	Gastight
65460-15	50 µL	Model 1705 RN Syringe and Neuros Adapter Kit*	33	Gastight
65460-20	100 µL	Model 1710 RN Syringe and Neuros Adapter Kit*	33	Gastight

\* This package consists of two products: the syringe listed and a Neuros adapter kit that includes an adapter, two needle sleeves and a six-pack of 33 gauge needles. The syringe and adapter kit must be assembled by the customer prior to use.

For more detailed information on Neuros technology or to order, visit [www.hamiltoncompany.com/neuros](http://www.hamiltoncompany.com/neuros).

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