

# neurax<sup>®</sup> – avoiding wrong-route injections



**Neurax<sup>®</sup> - responding to the Department of Health's and the National Patient Safety Agency's initiatives to eliminate 'wrong-route' spinal injections.**

The Neurax<sup>®</sup> safety system comprises a range of needles, syringes, connecting lines and accessories, which are fitted with a unique connector system. The connector system has been designed to prevent 'wrong-route' injections being made, either into the spinal fluid or into a vein. Both of these 'wrong-route' drug errors can be fatal. As demonstrated in extensive independent tests, the Neurax<sup>®</sup> connector cannot be joined to either male or female ISO 'luer' connectors.

## **Neurax<sup>®</sup> - saving lives by preventing incidents**

Since 1968, the WHO has collected a worldwide series of 55 reported incidents of wrong-route injections of vincristine. From 2001, the UK Department of Health collected 13 reports of fatalities from 'wrong-route' vincristine, including high-profile cases in Swindon, Nottingham and Brighton. Some have resulted in criminal charges. A recent verdict of 'unlawful killing' was delivered in 2008 by the HM Coroner conducting the inquest into the tragic death of Mayra Cabrera at Swindon, who received a fatal dose of an epidural anaesthetic drug into a vein. This case highlighted the need to speed-up the introduction of a fail-safe system to prevent 'wrong-route' mistakes involving drugs.

## **Neurax<sup>®</sup> - proven and approved**

In March 2007, the National Patient Safety Agency highlighted the potential of epidural wrong-route injections. Consultant Anaesthetist Dr Philip Bickford Smith and Medical Scientist Alan Wagstaff had already developed a solution to this problem, which was shown on the BBC, as part of wide-reaching work begun in 2001 to prevent clinical staff injecting drugs into the wrong part of the body. The Neurax<sup>®</sup> system, part of the B-Link medical connector 'family', has now successfully passed a series of rigorous laboratory tests and clinical trials commissioned by the Department of Health at several sites in England and B-Link (UK) have been appointed as Approved Suppliers to the NHS Supply Chain.

Arrange a demonstration now  
email us at: [info@neurax.co.uk](mailto:info@neurax.co.uk)

**neurax<sup>®</sup>**  
designed to prevent misconnections

*"The innovative Neurax<sup>®</sup> connector system will increase patient safety, whilst protecting clinical staff and hospital trusts from litigation."*

**Dr Philip Bickford Smith**  
Consultant Anaesthetist

Neurax<sup>®</sup> is available via  
the NHS Supply Chain  
or direct from B-Link (UK)

**b-link**  
Innovating Medical Devices

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VAT Registration No. 928257988  
Company Registration No. 4464228

## The Neurax® Product Range

Neurax® syringes are designed to be filled with local anaesthetic and chemotherapy drugs in hospital aseptic units, and can be sealed and supplied to clinical area.

Code	Description	Units / Box
<b>Syringes:</b>		
ATP603	Neurax 1ml syringe	25
ATP604	Neurax 3ml syringe	25
ATP602	Neurax 5ml syringe	25
ATP630	Neurax 10ml syringe	25
ATP632	Neurax 20ml syringe	25
ATP633	Neurax 50ml syringe	25
ATP634	Neurax 100ml syringe	10
ATP644	Neurax 7ml loss-of-resistance syringe	25
<b>Needles:</b>		
ATP629	Neurax 18G x 40mm blunt-tip filling needle	25
ATP758	Neurax 20G x 35mm blunt-tip filling needle	25
ATP660	Neurax 21G x 50mm sharp-tip filling needle	25
ATP628	Neurax 18G x 40mm blunt-tip filling needle with 5µ hub filter	25
ATP636	Neurax 19G x 40mm sharp-tip filling needle with 0.2µ disc filter	25
ATP643	Neurax 22G x 38mm pencil-point spinal needle with 18G x 12mm Introducer needle	25
ATP642	Neurax 22G x 63mm pencil-point spinal needle with 18G x 12mm Introducer needle	25
ATP641	Neurax 22G x 90mm pencil-point spinal needle with 18G x 12mm Introducer needle	25
ATP656	Neurax 25G x 90mm pencil-point spinal needle + 20G x 35mm introducer needle	25
ATP657	Neurax 27G x 90mm pencil-point spinal needle + 20G x 35mm introducer needle	25
ATP612	Neurax 18G x 12mm spinal introducer needle	25
ATP661	Neurax 20G x 35mm spinal introducer needle	25
ATP670	Neurax 22G x 38mm quincke-tip spinal needle with 18G x 12mm introducer needle	25
ATP671	Neurax 22G x 90mm quincke-tip spinal needle with 18G x 12mm introducer needle	25
ATP646	Neurax 18G x 80mm tuohy epidural needle + detachable wing	25
ATP647	Neurax 18G x 90mm tuohy epidural needle + detachable wing	25
ATP649	Neurax 16G x 80mm tuohy epidural needle + detachable wing	25
ATP650	Neurax 16G x 90mm tuohy epidural needle + detachable wing	25
ATP651	Neurax 16G x 100mm tuohy epidural needle + detachable wing	25
<b>Other Products:</b>		
ATP667	Neurax 1.5m extension line with anti-syphon valve	15
ATP637	Neurax 2-way tap	25
ATP689	Neurax end-cap (female)	25
ATP690	Neurax end-cap (male)	25
ATP692	Neurax epidural catheter for 18G needle, borst connector & 0.2µ filter	25
ATP693	Neurax epidural catheter for 16G needle, borst connector & 0.2µ filter	25
ATP732	Neurax bag spike with stopcock assembly vented	25
ATP733	Neurax bag spike with stopcock assembly non-vented	25



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Contact us now to  
arrange for a  
demonstration of the  
Neurax<sup>®</sup> system or to  
place an order

[info@neurax.co.uk](mailto:info@neurax.co.uk)

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