

## Nerve Regrowth and Protection tube made of CHITOSAN

REAXON<sup>®</sup>  
DIRECT

### PROTECTION TUBE

- Highly flexible
- Thin wall

- Made of polysaccharides
- Resorbable<sup>1</sup>
- Transparent
- Easy to suture (hydrogel)

### NERVE REGROWTH TUBE

- Flexible
- Does not collapse<sup>2</sup>
- Stable > 18 months<sup>3</sup>

REAXON<sup>®</sup>  
NERVE GUIDE



## Properties of CHITOSAN

- **Bioactive** - supports nerve regeneration equivalent to the autograft<sup>4</sup>
- **Antiadhesive** - inhibits scar tissue and neuroma formation<sup>5</sup>
- **Biocompatible** - does not induce any immune response<sup>6</sup>
- **Antibacterial** - limits infection risks<sup>7</sup>

### / REAXON® DIRECT - ULTRA FLEXIBLE PROTECTION TUBE

Reference	Inner diameter	Length
RD121	2.1 mm	14 mm
RD130	3.0 mm	14 mm
RD140	4.0 mm	14 mm
RD150	5.0 mm	14 mm
RD160	6.0 mm	14 mm

The diameter indicated is in a dry state. Once Reaxon® Direct has been soaked, its diameter increases up to 0.5 mm.

Reaxon® Direct is intended for use in repair of peripheral nerve discontinuities in patients with completely separated nerves that are treated by end-to-end coaptation.

### / REAXON® NERVE GUIDE - NERVE REGROWTH TUBE

Reference	Inner diameter	Length
RG321	2.1 mm	30 mm
RG330	3.0 mm	30 mm
RG340	4.0 mm	30 mm
RG350	5.0 mm	30 mm
RG360	6.0 mm	30 mm

The diameter indicated is in a dry state. Once Reaxon® Nerve Guide has been soaked, its diameter increases up to 0.5 mm.

Reaxon® Nerve Guide is intended for use in repair of peripheral nerve discontinuities in patients with completely separated nerves up to a nerve defect length of 26 mm.

<sup>1</sup> Internal testing at Medovent : Reports RDV-001 and RDV-002

<sup>2</sup> Internal testing at Medovent : Reports NG0064 and NG0090

<sup>3</sup> Internal testing at Medovent : Report NG0086

<sup>4</sup> Haastert-Talini et al. Chitosan tubes of varying degrees of acetylation for bridging peripheral nerve defects. *Biomaterials* 2013; 34: 9886-9904.

<sup>5</sup> Marcol et al. Reduction of post-traumatic neuroma and epineural scar formation in rat sciatic nerve by application of micro-crystalline chitosan. *Microsurgery* 2011; 31: 642-649.

<sup>6</sup> The biocompatibility of Reaxon® Nerve Guide has been proven in accordance with the ISO 10993 standards.

<sup>7</sup> Rabea et al. Chitosan as antimicrobial agent: application and mode of action. *Biomacromolecules* 2003; 4: 1457-1465.

Note: Bench testing is not necessarily indicative of clinical performance.



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