

Integrated stimulation therapy
in an easy-to-use application for
superior relief from low back pain

Pain relief system:

- + Multiple electrotherapy programs for targeted rehabilitation protocols
- + Abdomen & lumbar application for comprehensive treatment regimen



Neurotech Recovery - Back offers both a back and abdomen conductive garment to train and build your patient's support structure.



An innovative solution to a common problem

Millions of people in the United States experience low back pain due to degenerative diseases, injury and poor posture. The Recovery - Back gives your patients a practical, easy-to-use pain management solution that can be used in conjunction with existing medications or as a drug-free alternative.

The Recovery - Back helps your patients control back pain using two clinically-proven therapies, TENS (transcutaneous electrical nerve stimulation) and NMES (neuromuscular electrical stimulation) through the use of two, integrated conductive garments.

Together these garments can deliver 10 electrotherapy protocols that address a range of pain-related conditions. The Recovery - Back helps your patient gain control of their pain management program through use of a wide selection of protocols delivered precisely to the problem area.

The only system combining NMES and TENS designed to target and treat the abdominal and lower back muscles

	Low Back Conductive Garment	Abdominal Conductive Garment	Indications
TENS capability	X		+ Symptomatic relief and management of chronic, intractable pain. + Relief of pain associated with arthritis. + Adjunctive treatment in the management of post-surgical and post-trauma pain.
NMES capability	X	X	+ Maintain or increase the range of motion. + Prevention or retardation of disuse atrophy. + Re-educate muscles. + Relax muscle spasms. + Increase local blood circulation.



Garment delivery of abdominal stimulation trains muscles for complete system treatment

1

First, signals are sent along the 3 medical-grade conductive gel pads

2

...Reaching the nerves that branch out to all three main abdominal muscles...

3

...causing deep, contractions to help train abdominal muscles (obliques, transverse abdominus and rectus abdominus).



10 Uniquely-developed program modalities providing treatment and relief

Program	Stimulation	Treatment Time (Min)	Indications (Key on back page)
1 (Rate & Width modulate inversely)	TENS	Open	1 - 3
2	TENS	Open	1 - 3
3	TENS	Open	1 - 3
4	TENS	Open	1 - 3
5	NMES	30	4 - 8
6	NMES	30	4 - 8
7	NMES	30	4 - 8
8	NMES	30	4 - 8
9	NMES	20	4 - 8
10	Alternating TENS and NMES	90 (TENS)	1 - 8 Program runs both TENS and NMES
		10 (NMES)	
		90 (TENS)	
		20 (NMES)	
		90 (TENS)	



Combined NMES/TENS modality shown to consistently produce greater pain relief and pain reduction*

In a double-blind, placebo-controlled study, researchers developed a novel concept of combining an NMES and TENS modality in to one, combined program for treatment of chronic back pain. Study subjects, all having chronic back pain an average of 3.83 years, self-administered NMES, combined NMES/TENS, TENS, and placebo treatments. The washout period between treatment types was two days to minimize carryover effects.

The combined treatment modality was superior to placebo, stand-alone TENS and stand-alone NMES on pain relief and pain reduction metrics (Present Pain Intensity and Visual Analog Scale of Pain Intensity). Both measurements were determined to be statistically significant. The Recovery - Back delivers this innovative program (program #10) as a sequence of 3, 90-minute TENS periods alternating with 2 NMES periods of 10 and 20 minutes respectively.

Contraindications:

The Neurotech Recovery - Back should not be prescribed for patients who:

- + Are pregnant or planning to become pregnant
- + Have actively bleeding tissue
- + Have an active implant, e.g. pacemaker
- + Are epileptic or are prone to seizures

* Moore SR, Shurman J. Combined neuromuscular electrical stimulation and transcutaneous electrical nerve stimulation for treatment of chronic back pain: a double-blind, repeated measures comparison. Arch Phys Med Rehabil. 1997 Jan;78(1):55-60.



About us:

neurotech® is a division of Bio-Medical Research (BMR) Ltd., a worldwide leader providing innovative devices for pain relief and rehabilitative health. Since the 1960s, we have worked with health care professionals and patients to design and develop pain management and rehabilitation devices that are effective and deliver on promised results. Through extensive research and clinical trials, we are committed to developing medical innovations for muscle disorders, incontinence, post-stroke rehabilitation, pain management and more. Our easy to use, clinically proven products help patients worldwide embrace life to the fullest.

For more information about the Neurotech® Recovery - Back:

Contact your distributor or visit us at: www.neurotech.us

Neurotech® Recovery - Back indications for use:

The Neurotech Recovery - Back conductive garment for the back and associated accessories are indicated for use with the Neurotech stimulator to facilitate the frequent and correct positioning and repositioning of large, multiple, and/or difficult to reach stimulation sites associated with the low back.

The Neurotech Recovery - Back conductive garment for the abdomen and associated accessories are indicated for use with the Neurotech stimulator to facilitate the frequent and correct positioning and repositioning of large, multiple, and/or difficult to reach stimulation sites associated with the abdominal area.

Neurotech® Plus indications for use:

TENS Indications

1. Symptomatic relief and management of chronic, intractable pain.
2. Relief of pain associated with arthritis.
3. Adjunctive treatment in the management of post-surgical and post-trauma pain.

NMES Indications

4. Maintain or increase the range of motion.
5. Prevention or retardation of disuse atrophy.
6. Re-educate muscles.
7. Relax muscle spasms.
8. Increase local blood circulation.

neurotech®

Neurotech® Recovery - Back

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