

# Specifications

## SURGIStim 3™

A T.E.A.R. Technology® Product

### Specifications

- 24-hour continuous treatment capability
- Switches modalities without patient interaction
- Patient lockout
- Patient safety shutoff feature
- Allows multiple treatments consecutively or in a loop
- Color-coded lead wire and electrode system
- 1- or 2-channel neuromuscular
- Interferential and premodulated interferential
- Simultaneous or alternating channels in neuromuscular and high-volt pulsed current
- Modulation options in interferential and high-volt pulsed current
- Selectable neuromuscular waveforms
- Compatible with conductive garments
- Backlit LCD screen and pushbutton keypad
- 20 available patient-selectable presets
- Customizable outcome questions displayed during patient use



1. Canvas carrying case with removable shoulder pouch
2. Nonsterile, reusable electrodes
3. Sterile electrodes
4. Adhesive remover towelettes
5. Patient manual
6. SurgiStim3 electrotherapy device with cradle/modem
7. Nonrechargeable alkaline battery packs
8. Lead wire
9. AC adapters/chargers
10. Telephone cord with splitter

### Indications

- Symptomatic relief of chronic intractable pain and as an adjunctive treatment in the management of post-traumatic and postsurgical pain relief
- Relaxation of muscle spasms
- Prevention or retardation of disuse atrophy
- Increasing local blood circulation
- Muscle re-education
- Immediate postsurgical stimulation of calf muscles to prevent venous thrombosis
- Maintaining or increasing range of motion

### Contraindication

- Stimulators should not be used on patients with cardiac demand pacemakers

### Warnings

- The long-term effects of chronic electrical stimulation are unknown
- Stimulation should not be applied over the carotid sinus nerves, particularly in patients with a known sensitivity to the carotid sinus reflex
- Stimulation should not be applied over the neck or mouth. Severe spasm of the laryngeal and pharyngeal muscles may occur and the contractions may be strong enough to close the airway or cause difficulty in breathing
- Stimulation should not be applied transthoracically in that the introduction of electrical current into the heart may cause cardiac arrhythmias
- Stimulation should not be applied transcranially
- Stimulation should not be applied over swollen, infected, or inflamed areas or skin eruptions (e.g. phlebitis, thrombophlebitis, varicose veins, etc.)
- Stimulation should not be applied over, or in proximity to, cancerous lesions

### Precautions

- Safety of stimulators for use during pregnancy has not been established
- Caution should be used for patients with suspected or diagnosed heart problems
- Caution should be used for patients with suspected or diagnosed epilepsy
- Caution should be used in the presence of the following:
  - When there is a tendency to hemorrhage following acute trauma or fracture;
  - Following recent surgical procedures when muscle contraction may disrupt the healing process;
  - Over the menstruating or pregnant uterus; and
  - Over areas of the skin which lack normal sensation
- Some patients may experience skin irritation or hypersensitivity due to the electrical stimulation or electrical conductive medium. The irritation can usually be reduced by using an alternative conductive medium or alternate electrode placement
- Electrode placement and stimulation setting should be based on the guidance of the prescribing practitioner
- Keep out of reach of children
- Use only with the leads and electrodes recommended for use by the manufacturer
- Portable stimulators should not be used while driving, operating machinery, or during any activity in which involuntary muscle contractions may put the user at undue risk of injury

### Adverse Reactions

- Skin irritation and burns beneath the electrodes have occasionally been reported with the use of stimulators

Stimulators should only be used under medical supervision for adjunctive therapy for the treatment of medical diseases and conditions.

### CAUTION

Federal law restricts this device to sale by, or on the order of, a practitioner licensed by the law of the State in which he/she practices to use or order the use of the device.



# SURGISTIM 3™

A T.E.A.R. Technology® Product



## The Power of 3

Interferential  
Neuromuscular  
High-Volt Pulsed Current

# SURGIStIM 3™

A T.E.A.R. Technology® Product

## All E-Stim is Not Created Equal



*Now there's SurgiStim3, the trimodality postsurgical electrotherapy system available exclusively from VQ OrthoCare. SurgiStim3 puts the power of VQ's proprietary T.E.A.R. (Targeted Electronic Analgesic Rehabilitation) Technology® to work providing postsurgical patients with physician-prescribed care – and providing physicians with enhanced capabilities for tracking and managing that care.*

### VQ quality – different by design

SurgiStim3 is a powerful example of VQ OrthoCare's commitment to patient-focused care through the development of innovative, state-of-the-art products. Its revolutionary design incorporates several unique features, including the ability to provide continuous 24-hour pain relief, switch between modalities without patient interaction, and utilize conductive garments as an alternative to electrodes. SurgiStim3 seamlessly integrates these features with enhanced patient communications and comprehensive customer service.



VQ OrthoCare technicians provide fitting and instruction for every SurgiStim3 patient

## The Power of 3

- 1 Interferential stimulation for managing pain
- 2 Neuromuscular stimulation for strengthening
- 3 High-volt pulsed current stimulation for increasing circulation

SurgiStim3's multiple modalities can be utilized separately or in sequence to facilitate postsurgical recovery, and to provide adjunctive treatment throughout the recuperation process.

### Our E-stim speaks for itself

A modem in the SurgiStim3 cradle facilitates two-way communication between patients and VQ OrthoCare through a standard telephone line. SurgiStim3 even works while patients sleep. When placed in its cradle at night, it connects with VQ's Web site to download patient usage data and adjust settings per **physician instruction**. SurgiStim3 also enables physicians to customize the content and frequency of outcome-related questions for each patient. In addition, a compliance report may be requested at any time to provides physicians with all the information they need to keep their fingers on the pulse of a patient's recovery.



SurgiStim3 even works while patients sleep, downloading usage data to VQ OrthoCare's Web site to help monitor compliance



SurgiStim3:  
Advanced  
technology,  
all-inclusive  
pricing and  
unparalleled  
patient and  
physician  
support

## You write the Rx, we do the rest

VQ OrthoCare's Episode of Care prescription model helps simplify the insurance equation by providing patients and payors with cost-effective, all-inclusive pricing. But that's just one aspect of VQ OrthoCare's dedication to service and support. VQ technicians provide personalized fitting and instruction, and our patient care representatives are available – around the clock, seven days a week – to provide assistance, answer questions and help monitor progress and compliance.

## VQ's Continuum of Care

Another dimension of VQ OrthoCare's commitment is our Continuum of Care concept, which focuses on the interaction between physicians, patients, payors and VQ's support team. This collaboration is a foundational element of VQ OrthoCare's philosophy, and plays a key role in ensuring the highest standards of communication, compliance, continuity and customer service for all parties involved.



## Advantages for physicians

- Enhanced patient compliance and positive outcomes
- Treatment data downloading and tracking capabilities via Internet connection
- Ability to remotely adjust program settings for individual patients
- Patient compliance reports on request
- Comprehensive patient support provided by VQ OrthoCare

## Benefits for patients

- Effective pain relief, which may help promote a return to activities of daily living
- Convenient, portable, easy to use
- Non-narcotic, noninvasive, nonaddictive
- Alternative or adjunct to Cox II inhibitors
- Comprehensive technical and customer service support



Lightweight, portable and easy to use, SurgiStim3 helps promote patient compliance, enhance quality of life, and facilitate a return to activities of daily living



# T . E . A . R . Technology

## Targeted

- To specific clinical outcomes
- To postsurgical patients
- To upper and lower extremities
- To cervical, thoracic and lumbar regions
- To surgeons and clinical professionals
- To patient, physician and payor satisfaction

## Electronic

- Digital and fully programmable
- Microprocessor-controlled to provide precise treatment parameters
- LCD readouts and patient-friendly pushbutton keypad
- Protocol driven – developed for physicians, by physicians
- Designed for outcome data recording and reporting

## Analgesic

- Provides symptomatic relief and management of post-surgical pain
- Non-narcotic and nonaddictive
- Noninvasive
- 24-hour continuous treatment cycle with customized Episode of Care

## Rehabilitation

- Increases local blood circulation
- Promotes muscle re-education and range of motion
- Enhances compliance and promotes positive outcomes
- Adjunctive treatment throughout the recovery period