Ambu - Everyday Solutions

IN PAIN MANAGEMENT
Echogenic Nerve Block Solutions

Life-Tech Echogenic Nerve Block Solutions were conceived by and developed with the help of anesthesiologists committed to the practice of performing peripheral nerve block procedures under ultrasound guidance.

EchoBright™ Needle

- Pattern begins at the bevel to highlight the tip of the needle
- 360° echogenic bands for visualization at any angle
- Effective for in or out of plane approach
- Echogenic bands are limited to its tip eliminating the possibility of misidentifying another part of the needle barrel as the tip
- Effective at very steep angles for complex nerve blocks

EchoBright™ - Single Injection Needle

- Block bevel for added patient safety
- 3 Lengths & 2 Gauges to accommodate a wide range of applications
- Simulating echogenic needle available for dual guidance
- Non-Stimulating echogenic needles available for low cost solutions

<table>
<thead>
<tr>
<th>Item number</th>
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<tbody>
<tr>
<td>Stimulating</td>
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<tr>
<td>EB22050GC</td>
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<tr>
<td>EB20100GC</td>
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“Needle tip visualization is fundamental to the safety and efficacy of ultrasound-guided regional anesthesia”. Also, according to Dr. Simon Hebard and Graham Hocking, “a needle that is visible for a greater percentage of time has potential safety and efficacy implications.”

EchoLong™ Catheter vs Other Catheters

- 3 mm tip for better accuracy
- EchoLong™ catheter’s echogenic tip makes it easy to visualize tip position after the needle is withdrawn.
- The unique pattern on the EchoLong™ catheter tip produces a much brighter image than other products.

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<td>ET-21.536</td>
<td>Echogenic tip catheter 21.5g x 36in</td>
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EchoLong™ - Continuous Infusion Set

EchoLong™ Includes:

- Echogenic Needle
- Echogenic or Standard Catheter
- Extension Set
- Thread Assist Guide
- Grip-Lok® Catheter Securement Device
- Catheter Adapter

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All trademarks are registered to Life-Tech Inc. & Zephon International
Continuous Sets

Truly Customizable PNB Trays

- Build kits specifically designed for your facility to:
  - increase convenience
  - cost savings
  - efficiency
- No long-term commitments
  - Change kit components when needed
  - Adjust to the needs of your facility
- Quick and competitive price quotes
- Sample trays available to ensure the best possible solution for your needs

Please ask your account manager for customization tools to build the right solution for your facility.

ContiStim™ with Stimulating Catheter

Catheter placement confirmation without compromise

- Atraumatic ball tip design rather than coiled tip moves safely through tissue
- Kink resistant catheter body with stiffness optimized for easy insertion
- Stingray™ and Grip-Lok® keep catheter management simple

Item number | Description
--- | ---
Block Bevel Needle
CS19050GC | Continuous set with 19g x 50mm needle and stimulating catheter
CS19100GC | Continuous set with 19g x 100mm needle and stimulating catheter
CS19150GC | Continuous set with 19g x 150mm needle and stimulating catheter

Tuohy Bevel Needle
CS18050TGC | Continuous set with 18g x 50mm needle and stimulating catheter
CS18100TGC | Continuous set with 18g x 100mm needle and stimulating catheter
CS18150TGC | Continuous set with 18g x 150mm needle and stimulating catheter

Ball tip retracts while advancing to move safely through tissue and keep the catheter from being occluded.

Tip moves forward during injection creating a 360° outflow that works in conjunction with 3 additional soaker ports.
ProLong®

*Dependable performance for all of your continuous PNB needs*

- Reduced friction coating for improved performance
- Choice of Block or Tuohy Bevel to tailor your approach
- Graduated markings to confirm insertion depth
- Small catheter diameter for better patient comfort

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<tr>
<td>PL19040C</td>
<td>Continuous set with 19g x 40mm needle and catheter</td>
</tr>
<tr>
<td>PL19050GC</td>
<td>Continuous set with 19g x 50mm needle and catheter</td>
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StimPro™ All New

*Adding the benefit of fingertip control to peripheral nerve block anesthesia*

- Stimulating current control built into the needle hub
- Provides Single-Operator Convenience
- Optimizes Ease-of-Use
- Ergonomic Hub for Better Control

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*For More information, see StimPro™ diagram.*
Realistic

The upper- and lower-extremity simulators:

- Contain all of the relevant surface landmarks, palpable subcutaneous anatomical structures and internal reference points associated with the blocks they represent.

- Exhibit realistic echogenic properties for the embedded muscle, vascular, bony and nervous structures.
MODEL | SURFACE LANDMARKS | INTERNAL LANDMARKS
--- | --- | ---
**MS-TRN**<br>MiniSim ™ Trainer | Universal ultrasound phantom (shown below) | Produces typical ultrasound images of veins, arteries, muscle, bone, and hyper- and hypo-echoic nerves

**UPPER EXTREMITY SERIES**

MODEL | SURFACE LANDMARKS | INTERNAL LANDMARKS
--- | --- | ---
**MS-INT**<br>Interscalene / Supraclavicular | • Sternoceleidomastoid muscle<br>• Cricoid Cartilage<br>• Supraclavicular fossa | • First rib<br>• Clavicle<br>• Internal jugular vein<br>• Carotid and subclavian arteries<br>• Anterior and middle scalene muscles<br>• Brachial plexus roots / trunks

**MS-INF**<br>Infraclavicular | • Infraclavicular fossa<br>• Pectoralis major | • Clavicle<br>• Coracoid process<br>• Pectoralis major and minor<br>• Axillary artery and vein<br>• Brachial plexus divisions/cords

**MS-AX**<br>Axillary | • Deltoid, choracobrachialis and biceps muscles<br>• Axilla | • Biceps, triceps and coracobrachialis muscles<br>• Axillary artery and vein<br>• Brachial plexus branches

**LOWER EXTREMITY SERIES**

MODEL | SURFACE LANDMARKS | INTERNAL LANDMARKS
--- | --- | ---
**MS-SCG**<br>Sciatic sub-gluteal | • Buttock | • Greater trochanter<br>• Ischial tuberosity<br>• Gluteus maximus<br>• Sciatic nerve

**MS-FEM**<br>Femoral | • Inguinal crease | • Anterior superior iliac spine<br>• Pubic tubercle<br>• Pubis<br>• Femoral nerve, artery and vein<br>• Iliopsoas and pectineus muscles

**MS-POP**<br>Popliteal | • Popliteal crease<br>• Biceps femoris, semimembranosus and semitendinosus muscles | • Tibial, common peroneal and sciatic nerves<br>• Biceps femoris and semitendinosus muscles<br>• Popliteal artery and vein

**Compact & Affordable**

Minisim Generic Trainer:

- Small desktop platform is ideal for workshops.
- Very economical.
- Capable of withstanding multiple needle punctures and can be refurbished.

Battery operated Nerve Proximity Indicator provides audible and visual indication of needle tip to nerve proximity.
eZono™ 3000 - Ultrasound System

**eZono 3000**

The eZono 3000 is a robust, portable, very easy to use ultrasound system designed specifically for anesthesia. It incorporates many special features suggested by practicing anesthesiologists.

Innovative onboard education software accelerates the learning curve and meets the challenge of bringing a high level of competence to peripheral nerve block anesthesia training.

**CUE CARDS**

eZono Cue Cards include model-specific reference ultrasound images and videos for each MiniSim model, and guide the user correctly through each approach.

Standard
- Regional Anesthesia: Interscalene, supraclavicular, axillary, intercostal, femoral, proximal sciatic, distal sciatic
- Vascular Access: Internal jugular, axillary, femoral

Available for download
- Regional Anesthesia: Epidural, Spinal tap, Rescue Blocks
- Emergency: FAST, FEEL
- MiniSim
- Ultrasound Basics: B-mode scanning, Doppler, Needle Placement

Develop your own
- Working with Ambu & Life-T ech, you can modify existing Cue Cards or develop your own. (Contact your sales representative for more details.)

**eZono™ 3000 Features**

System
- 26.4 cm (10.4”) diagonal LCD touch screen with
- 24-bit and 60 million colors
- 8 GB internal memory
- 2x USB 2.0 ports, 1 Express Card port, built-in microphone

Software
- Software updates via USB stick
- Less than 20 seconds boot time, less than 6 seconds back from stand-by
- Touch screen icon-based graphical user interface

Probes
- Linear, convex, and micro convex probes available

Multi-media patient database
- Stores up to 30,000 pictures or 31 minutes of video internally
- Image transfer via USB stick
All New StimPro™
Stimulating control at your fingertips

Available in three configurations:
- Single-Injection
- Continuous Set - Standard Catheter
- Continuous Set - Stimulating Catheter

Calibrated graduation markings to confirm insertion depth

Patented ergonomic hub design provides better control during manipulation

Thumbwheel provides output current control by the user

Easy connection to the Tracer® III or EZStim® II nerve stimulators
Single Injection Solutions

**ProBloc II™**

*Designed with patient safety and physician preference in mind*

- Laser strip technology to localize stimulation
- Graduated markings to confirm insertion depth
- 30° Block Bevel for patient safety and tactile feedback.

**Item number** | **Description**
--- | ---
Sleeve Insulated Block Bevel single injection needle - 10 per box
PB22050GC | Needle with attached injection set and stimulating cable 22g x50mm
PB22080GC | Needle with attached injection set and stimulating cable 22g x 80mm
PB20100GC | Needle with attached injection set and stimulating cable 20g x 100mm
PB20120GC | Needle with attached injection set and stimulating cable 20g x 120mm
PB20150GC | Needle with attached injection set and stimulating cable 20g x 150mm

**ProBloc™**

*Your cost effective single shot solution*

- Proven performance for over a decade
- ProBloc™ gives you options to meet the needs of your practice.

**Item number** | **Description**
--- | ---
Sleeve Insulated Block Bevel single injection needle - 10 per box
HN1-40 | Needle, no attachments 22g x 40mm long
HN1-80 | Needle, no attachments 22g x 80mm long
HN2-40 | Needle with attached injection set 22g x 40mm long
HN2-80 | Needle with attached injection set 22g x 80mm long
HN35-40 | Needle with attached injection set and stimulating cable 22g x 40mm long
HN35-80 | Needle with attached injection set and stimulating cable 22g x 80mm long
HN35-100 | Needle with attached injection set and stimulating cable 20g x 100mm long
HN35-120 | Needle with attached injection set and stimulating cable 20g x 120mm long

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SP20100GC | Continuous set with 20g x 100mm hub controlled needle

*For More information, see StimPro™ diagram.*
Nerve Block Accessories - Stimulators

**Tracer® III**
*Digital Nerve Locator*
Adjustable pulse width facilitates selective stimulation of motor sensory fibers. 0.01 Current resolution facilitates precise nerve location.

**EZStim® II**
*Nerve Stimulator & Nerve Locator*
Automatically becomes either a full-functioning nerve locator or a neuromuscular block monitor depending on which lead wire is attached. Unique eShield interference protection eliminates electrosurgery interference.

**MINISTIM® MS-1B & MS-IV**
*Nerve Stimulator & Nerve Locator*
- Cost-effective
- Simple to use
- Durable & reliable
- Compact design

**MINISTIM® MS-1B & MS-IV INCLUDE:**
- (1) pair EL-2MTP, 2 extension leads
- DP-MTP Diagnostic Probe
- Touch-proof connectors

**Nerve Block Accessories - Lead Sets**

**RBW-5U** universal lead set accommodates both 1.5mm and 2mm connections.

**NSL-5** for use with surface electrodes and StimProbe when using EZstim® II.

**BA-01** 2.0mm - 1.5mm adapter for use of Life-Tech needles with non-Life-Tech lead wires.

**EL-2MTP** Two foot extension leads with small alligator clips. Color-coded for polarity identification. Touch-proof.

**CSB-2**
*Switchbox for use with Contistim™ & StimPro™*

**PB1**
*Protective Boot for both Tracer® III & EZStim™ II*
Is also your source for innovative airway management solutions.

Ask a sales representative for an Airway Management Catalog.