The Perfect Portable Solution

The Nicolet VersaLab™ LE & SE are portable, battery or line-operated Doppler systems for evaluation of the peripheral vasculature. Crisp, clear Doppler sound is now complemented with a display and printout to make documentation for reimbursement fast and convenient.

Compact, Economical and Versatile

The VersaLab LE & SE lets you perform basic vascular testing. This bi-directional Doppler has a built-in printer for fast and easy documentation. And best of all, the compact VersaLab LE & SE is loaded with diagnostic features at a value-added price.

Bi-Directional

The VersaLab LE & SE is available with bi-directional 4 or 8 MHz frequency, continuous wave Doppler transducers. You can select the optimum frequency for the peripheral application of your choice.

Documentation for Reimbursement

Now you can hear and see the results from your Doppler testing procedures. The VersaLab LE & SE’s built-in printer provides fast, complete and accurate documentation. A unique image scrolling feature allows you to review up to 50 seconds of data and choose the ideal waveforms to document the patient’s condition. Other portable systems don’t always offer the flexibility to preview the printout helping to eliminate wasted time and paper.

Pertinent information appears on the printout: date, time, probe frequency and settings, velocity and various calculations. Documentation is complete with room for examiner’s comments. This comprehensive documentation aids in reimbursement, allows for placement in the patient’s chart and makes repeat studies for follow-up or research purposes easier.
Exceptional Ownership Experience

Nicolet Brand Products captures the knowledge and expertise of three companies (Imex, Nicolet Vascular and Nicolet Biomedical) representing over five decades of ingenuity and innovation. A leading manufacturer of hand-held and desktop Dopplers for obstetric and vascular applications, we strive to build upon our hard-earned reputation and continue to meet the rigorous standards for quality and reliability that our customers have come to expect. Nicolet VersaLab follows in the Natus tradition of superior customer service. The VersaLab is manufactured in our ISO 13485 certified facility and is covered by a 1-year parts and labor warranty against manufacture defects.

Portable and Convenient

The VersaLab LE & SE systems weigh a mere 1.9 kg (4.1 pounds) and are battery or line operated for the ultimate in portability and convenience. A tilt-stand allows for wall mounting or desktop use with adjustment for the perfect viewing angle. The optional roll stand offers even greater portability and security within the office or hospital.

Accurate Visualization and Quantification

The VersaLab portable Doppler systems are available in two models. The simple waveform traces on the VersaLab LE clearly indicate the peak or mean blood flow profile. The VersaLab SE, with spectral analysis, displays comprehensive information about all components of the blood flow profile. It allows you to quickly delineate venous from arterial flow, and accurately indicate conditions such as turbulence. Both systems offer accurate visualization and quantification of blood flow parameters including velocity, directionality and a host of calculated measurements.

Benefits of Color Spectral Display

- Review all frequency components of blood flow profile.
- Visualize turbulence and other flow disturbances.
- Determine and document the quality of flow.
- Quickly distinguish arterial from venous signals.
The ABI Exam

- The Ankle/Brachial Index (ABI) is a systolic blood pressure comparison between the arms and ankles.
- This procedure is similar to taking a standard blood pressure, but a Nicolet Doppler is used to listen to the blood flow instead of a stethoscope.
- You only need to determine the systolic pressures for this simple procedure.

Why Do an ABI Exam?

- It is a fast, effective tool for screening for Peripheral Arterial Disease (PAD).
- It is non-invasive, easy, and affordable.
- Often, an ABI exam is recommended for patients with the following risk factors:
  - 65+ years old
  - high blood pressure
  - inactive or bedridden
  - family history of heart attack or stroke.

Peripheral Arterial Disease

(PAD) A walking time bomb:

- 8-12 million people in the USA alone are living with PAD.
- PAD sufferers have a five-fold risk of death from heart attack or stroke.
- Diabetic patients are at an even higher risk.

This is why the American Diabetes Association (ADA) December 2003 Consensus Statement recommends that anyone over the age of 50 with Diabetes be screened for PAD. Screening is also recommended for diabetic patients under 50 with other risk factors such as smoking, high blood pressure, high cholesterol or having diabetes for 10 years or more.

ABI Results

Determine the severity of disease:

<table>
<thead>
<tr>
<th>ABI Value*</th>
<th>Indication</th>
</tr>
</thead>
<tbody>
<tr>
<td>0.96 or Above</td>
<td>Generally Normal</td>
</tr>
<tr>
<td>0.81 - 0.95</td>
<td>Mild Disease</td>
</tr>
<tr>
<td>0.51 - 0.81</td>
<td>Moderate Disease</td>
</tr>
<tr>
<td>0.31 - 0.50</td>
<td>Moderate to Severe Disease</td>
</tr>
<tr>
<td>0.30 or below</td>
<td>Severe Disease</td>
</tr>
</tbody>
</table>

*Always use the highest ABI value obtained.

1 Reference:
Daigle, R. J. BA, RVT.
Techniques in Noninvasive Vascular Diagnosis.
Summer Publishing, 2002

2 Reference:
Alan Hirsch, MD
Peripheral Arterial Disease: Are You a Walking Time Bomb
February 2003

3 Consensus Statement: American Diabetes Association
Peripheral Arterial Disease in People with Diabetes
DIABETES CARE, Volume 26, Number 12, December 2003
Ankle/Brachial Index (ABI) Exams

Codes that May be Applicable for Use with VersaLab LE & SE*

CPT Code 93922:
Non-invasive physiologic studies of upper or lower extremity arteries, single level, bilateral (for example, ankle/brachial indices, Doppler waveform analysis, volume plethysmography, transcutaneous oxygen tension measurement).

ICD-9 Codes for Extremity Arterial Studies:
- 440.0 Atherosclerosis of aorta
- 440.21 Atherosclerosis of the extremities with intermittent claudication
- 440.22 Atherosclerosis of the extremities with rest pain
- 440.23 Atherosclerosis of the extremities with ulceration
- 440.24 Atherosclerosis of the extremities with gangrene
- 440.30-440.32 Atherosclerosis of bypass graft of extremities
- 443.0-443.89 Other peripheral vascular diseases
- 443.9 Peripheral vascular disease, unspecified

* Please note: ICAVL recommends that you contact the insurance carriers in your area for the most accurate and current reimbursement information.

Ankle/Brachial Index (ABI) Cuff Kits

Nicolet offers cuff kits for performing vascular competency testing. These kits contain a sphygmomanometer, the appropriate size cuffs and support materials to allow you to perform Ankle/Brachial Index test.

**ABIV - ABI kit for VersaLab LE/SE:**
- Sphygmomanometer
- 10 cm cuffs (4)
- Thermal Paper 5 rolls

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**Technical Specifications**

- **Weight:** main unit only: 1.9 kg (4.1 lbs.)
- **Dimensions:** 31 cm x 23 cm x 7.3 cm (12.2 x 9.1 x 1.9 in.)
- **Doppler Technology:** Continuous Wave (CW) unfocused
- **Battery type:** 7.2V NiMH, 6x4/5A, rechargeable
- **Full Charge Life:** 30 minutes (10 min.
- **Operating Ambient Temperature:** 10ºC - 40ºC (50ºF - 104ºF)
- **Graphic Display:** 320 x 240 pixel, Color or BW
- **Printer:** Thermal, 104 mm print width, 832 dots/mm
- **Print Paper:** Roll, 82 ft, 112 mm wide, thermal (7 year print-out archivability)

**System Configurations**

**VersaLab LE with:**
- 4 MHz probe: VLL40
- 8 MHz probe: VLL80
- 4 & 8 MHz probe: VLL48
- 8 MHz probe & ABI Cuff Kit: VLL80A
- 8 MHz probe, ABI Cuff Kit, V200 Mounting Bracket & ST3 Roll Stand: VLL80AS
- 8 MHz probe, V200 Mounting Bracket & ST3 Roll Stand: VLL80AS

**VersaLab SE with:**
- 4 MHz probe: VLS40
- 8 MHz probe: VLS80
- 4 & 8 MHz probe: VLS48

**VersaLab LE Int’l with:**
- 4 MHz probe: VLL40L
- 8 MHz probe: VLL80L
- 4 & 8 MHz probes: VLL48L

**VersaLab SE Int’l with:**
- 4 MHz probe: VLS40L
- 8 MHz probe: VLS80L
- 4 & 8 MHz probes: VLS48L

**Accessories**

- **Product:** Catalog #
- 4 MHz probe only: BD40
- 8 MHz probe only: BD80
- Power Supply 110-250V: C644
- Power Cord, 110V: C645
- Power Cord, 220V: C646
- Battery: C633
- Printer Paper (Qty. 5 rolls): A355
- Soft-sided Carrying Case: A430
- Roll Stand with Basket: ST3
- IV Pole/Roll Stand Mount Kit: V200
- Tilt-stand: ST30
- ABI Report Form: AB12
- Ultrasound Gel, 0.25 Liter Bottles (Case of 12 bottles): A120
- T-Spray: A438
- Abdominal/Peripheral Kit: TPR
- Ankle/Brachial/Tot cuff Kit: AB10
- Ankle Brace Kit: ABIV
- Toe/Brachial Cuff Kit: TOEK
- 2.5 cm digit cuff: M20101
- 1.9 cm digit cuff: M20167
- 1.6 cm digit cuff: M20178
- 6.5 cm cuff: XR0020
- 17 cm cuff: XR0031
- 2.5 cm toe cuff (for use with XR0013): XR0089
- 10 cm cuff: XR0075
- 12 cm cuff: XR0076
- Sphygmomanometer: XR0013

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For more information, please contact your Nicolet Distributor or call 877-842-7970, 303-431-9400 (Intl.) or fax 303-431-0429

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