

Nicolet VersaLab[®]

VASCULAR DOPPLER SYSTEM



- DOCUMENTATION FOR REIMBURSEMENT
- BI-DIRECTIONAL
- PORTABLE AND CONVENIENT

VIASYS[™]
HEALTHCARE
Excellence For Life

NEUROCARE GROUP

Medical Device Depot^{Inc.}

www.medicaldevicedepot.com
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“The Nicolet VersaLab from VIASYS Healthcare is the perfect extension to my clinical practice. This system is taking my practice to new places.”

THE PERFECT PORTABLE SOLUTION

The Nicolet VersaLab is a portable, battery or line-operated Doppler system 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 lets you perform basic vascular testing anywhere. This bi-directional Doppler has a built-in printer for fast and easy documentation. And best of all, the compact VersaLab is loaded with diagnostic features at a value-packed price.

BI-DIRECTIONAL

The VersaLab 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. VersaLab'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. No other portable system offers the flexibility to preview the printout helping to eliminate wasted time and paper!

All of the 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.

VERSATILE AND ACCURATE

PORTABLE AND CONVENIENT

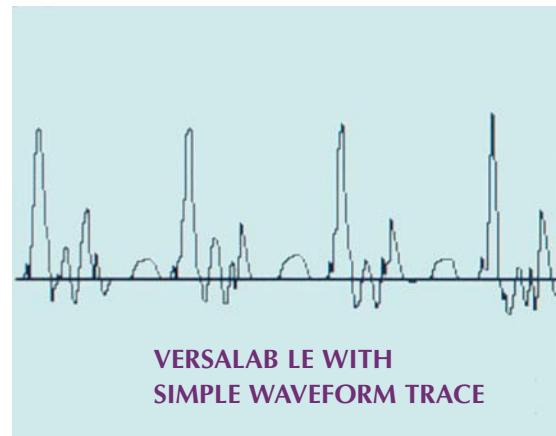
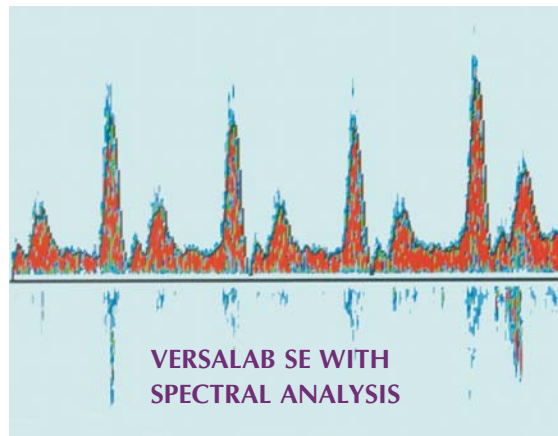
The VersaLab weighs a mere 1.9 kg (4.1 pounds) and is battery or line operated for the ultimate in portability and convenience. A tilt-stand allows for wall mounting or desktop use with adjustment for the perfect viewing angle.

ACCURATE VISUALIZATION AND QUANTIFICATION

The VersaLab portable Doppler system is 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 more 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



EXCEPTIONAL OWNERSHIP EXPERIENCE

VIASYS NeuroCare captures the knowledge and expertise of four companies (Nicolet Vascular, Nicolet Biomedical, Grason-Stadler and Toennies) representing over five decades of ingenuity and innovation. Nicolet Vascular is 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 VIASYS tradition of technological innovation and superior customer service. The VersaLab is manufactured in our ISO 9001 certified facility and is covered by a 5-year parts and 1-year labor warranty.

FAST FACTS ON ABIs

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.
- Obtaining an ABI is recommended for any patient with the following risk factors:
 - 65+ years old
 - diabetic
 - high blood pressure
 - overweight
 - inactive or bedridden
 - high cholesterol
 - 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.¹
- PAD sufferers have a five-fold risk of death from heart attack or stroke.¹
- Diabetic patients are at an even higher risk.¹

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.¹

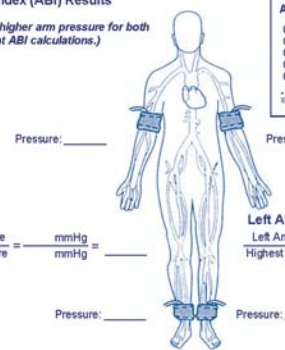
ABI RESULTS

DETERMINE THE SEVERITY OF DISEASE:

ABI Value*	Indication
• 0.96 or Above Generally Normal
• 0.81 - 0.95 Mild Disease
• 0.51 - 0.81 Moderate Disease
• 0.31 - 0.50 Moderate to Severe Disease
• 0.30 or below Severe Disease

*Always use the highest ABI value obtained.

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

Ankle/Brachial Index (ABI) Report Form		Date:
Patient Name:		Facility Performing Test:
Patient Number:		
Indications: Diabetes <input type="checkbox"/> High Fat Diet <input type="checkbox"/> Hypertension <input type="checkbox"/> Cigarette/Tobacco Use <input type="checkbox"/> Hyperlipidemia <input type="checkbox"/> Sedentary <input type="checkbox"/> Previous Vascular Surgery <input type="checkbox"/> Impotence <input type="checkbox"/> Stroke (TIA) <input type="checkbox"/> Obesity <input type="checkbox"/> Heart Disease <input type="checkbox"/>	Current Symptoms: Claudication <input type="checkbox"/> Numbness, Tingling <input type="checkbox"/> (leg pain during walking) <input type="checkbox"/> Cold Hands or Feet <input type="checkbox"/> (which disappears with rest) <input type="checkbox"/> Extremity Weakness <input type="checkbox"/> Limb Hair Loss/Absence <input type="checkbox"/> Ulcerations <input type="checkbox"/> Skin Color Changes <input type="checkbox"/> Trophic Nails <input type="checkbox"/>	
Notes:		
Ankle/Brachial Index (ABI) Results (Note: Use the higher arm pressure for both the left and right ABI calculations.) 		
Ankle/Brachial Index Interpretation* 0.96 or Above - Generally Normal 0.81 - 0.95 - Mild Disease 0.51 - 0.80 - Moderate Disease 0.31 - 0.50 - Moderate to Severe Disease 0.30 or below - Severe Disease <small>* Techniques Noninvasive Vascular Diagnosis, R.J. Daigle BA, RVT, Summer Publishing, 030-176-1769, www.summerpublishing.com</small>		
Right ABI: Right Ankle Pressure = mmHg, Highest Arm Pressure = mmHg Left ABI: Left Ankle Pressure = mmHg, Highest Arm Pressure = mmHg Example: Ankle Pressure = 125 mmHg, Brachial Pressure = 114 mmHg, ABI = 1.09		
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ABI Report Forms - Order Part # ABI12

ANKLE/BRACHIAL INDEX (ABI) EXAMS

CODES THAT MAY BE APPLICABLE FOR USE WITH VERSALAB*

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	Other peripheral vascular diseases

* 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) KITS

Nicolet Vascular 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.



ABIK - ANKLE/BRACHIAL INDEX CUFF KIT:

- Sphygmomanometer
- 10 cm cuffs (4)
- Laminated ABI Chart
- ABI Training CD
- ABI Training Booklet
- Pad of ABI Report Forms (50 sheets)
- Get Your Pipes Checked Booklet (5)



ABIV - ABI KIT FOR VERSALAB LE/SE:

- Sphygmomanometer
- 10 cm cuffs (4)
- Thermal Paper 5 rolls
- T-Spray Ultrasound Disinfectant Spray

¹ Consensus Statement: American Diabetes Association
Peripheral Arterial Disease in People with Diabetes
DIABETES CARE, Volume 26, Number 12, December 2003

VIASYS Healthcare: Setting a new standard in vascular Doppler technology.



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) unfocusedBoth 4 MHz and 8 MHz probes available
Battery type.....	7.2V NiMH, 6x4/5A, rechargeable
Full Charge Life.....	3 hours
Operating Ambient Temperature.....	10° C - 40° C (50° F - 104° F)
Graphic Display.....	320 x 240 pixel; Color or B&W LCD available
Printer.....	Thermal, 104 mm print width, 832 dots, 8 dots/mm
Printer Paper.....	Roll, 82 ft, 112 mm wide, thermal (7 year print-out archivability)
Print Speed.....	12.5 mm/s
Timescales.....	7.5, 15, 25 mm/s
Speakers.....	(2) 66 mm, 8W, 0.5 watt
Audio Output.....	0.5 watt per channel
Headset.....	3.5 mm jack, 32 ohm
Spectral Response.....	200 Hz - 10 KHz
FFT (Fast Fourier Transform).....	256 point, 10 msec Hamming window
Recharger, INPUT.....	100 - 250 VAC, 50/60 Hz, Model WSL170M
Recharger, OUTPUT.....	7vDC @ 3.5 A Model WSL170M
Safety Standards.....	IEC 601-1
Classification.....	Internally/Externally powered equipment
Classification of Protection Against Electrical Shock.....	Type B

CATALOG NUMBERS

VERSALAB LE WITH:

4 MHz probe	VLL40
8 MHz probe	VLL80
4 & 8 MHz probe	VLL48

VERSALAB SE WITH:

4 MHz probe	VLS40
8 MHz probe	VLS80
4 & 8 MHz probe	VLS48

VERSALAB LE INT'L WITH:

4 MHz probe	VLL40I
8 MHz probe	VLL80I
4 & 8 MHz probes	VLL48I

VERSALAB SE INT'L WITH:

4 MHz probe	VLS40I
8 MHz probe	VLS80I
4 & 8 MHz probes	VLS48I

ACCESSORIES

ACCESSORIES	CATALOG #
4 MHz probe only	BD40
8 MHz probe only	BD80
Power Supply 110-250V	C644
Power Cord, 110V	C645
Power Cord, 220V	C645I
Battery	C633
Printer Paper (Case of 5 rolls)	A355
Soft-sided Carrying Case	A430
Tilt-stand	ST30
Ultrasound Gel, 0.25 Liter Bottles (Case of 12 bottles)	A120
T-Spray	A140
10 cm cuffs	XR0075
Sphygmomanometer	XR0013