Welch Allyn
Medical Diagnostic Equipment
As you embark on your journey as a healthcare professional, we know that you’ll be learning a ton of new things, in a short amount of time. Most importantly, you’ll perfect the art of care giving, learning to see, observe and listen to your patient to truly make an accurate diagnosis and develop a path forward.

**Welch Allyn: A partner throughout your career**

We think you’ll agree, Welch Allyn is the best. Since manufacturing the world’s first direct illuminating ophthalmoscope back in 1915, we’ve been committed to developing new solutions that make it easier to image the eye, view the inner ear and measure blood pressure with ease and accuracy. Our student medical equipment helps you learn and perfect the basic physical exam.

Throughout your career you’ll see and use Welch Allyn equipment in almost every care setting. And years down the road as you reflect on all of the patients you’ve helped, you’ll still be able to trust the Welch Allyn equipment you bought as a student.
Better clarity and definition of landmarks.

MacroView optics increase magnification by 30% versus a traditional otoscope, giving you a nearly full view of the tympanic membrane; coupled with the widest focus range, MacroView offers a bigger, better, sharper view.

3X VIEWING AREA

- Proprietary “Tip Grip” helps ensure specula are secured and ejects used ear speculum for easy disposal
- Default focus position; ideal for most ear examinations
- Adjustable focus wheel helps you accommodate for variable ear canal lengths and farsighted eyes, zooming in or out to fine tune view
- Optional throat/nasal illuminator adds one more tool to your practice; easy to adjust on 3.5 V handle
- 3.5V Lithium Ion rechargeable handle (shown) provides 2.4X more power compared to our Nickel Cadmium rechargeable handle
Welch Allyn PanOptic™ Ophthalmoscope
Panoramic views of the fundus supported by a mobile digital imaging solution

Axial PointSource™ optics support fast, easy entry into small, undilated pupils:

- 5X greater field of view versus standard ophthalmoscopes
- 26% increase in magnification, offering superior views and retinal detail

Patient Eyecup:

- Establishes and maintains proper viewing distance
- Serves as a pivot point for panning around the retina
- Supports orientation and screens out ambient light

Additional features:

- Focus range of -20 to +20 diopters
- SureColor™ LED light source is long lasting and does not require replacement
- Compatible with all Welch Allyn 3.5 V power sources for the desk and wall

Welch Allyn iExaminer® System
See, save and share

- The iExaminer adapter and PanOptic Ophthalmoscope work together through your iPhone® and the iExaminer Pro app
- Facilitates education, allowing you to document and study fundus images with your peers as you perfect ophthalmoscopy
- Compatible with iPhone® 4s, 6, 6s, 6 Plus and 6s Plus models
Welch Allyn 3.5 V Coaxial Ophthalmoscope

Patented optics enable easier entry into the eye with reduced glare and a larger field of view when compared to standard ophthalmoscopes.

**Lens Selection Disc:**
Offers easy, fast, one-hand selection of 28 focusing lenses with a range of -25 to +40 diopters.

**Aperture Selection Dial:**
18 unique aperture/filter combinations for greater versatility.

**Triple-sealed Optics:**
Keeps dust from reaching optics.

**Crossed-linear Polarizing Filter:**
Eliminates unwanted reflections.
Welch Allyn Diagnostic Sets

Now Ships with SureColor™ LEDs

#97800-MSL

SET CONTENTS & ORDER NUMBERS

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When selecting the set that is right for you, consider which of these diagnostic components best fit your needs:

Ophthalmoscopes

PanOptic™ Ophthalmoscope
Welch Allyn PanOptic Ophthalmoscope has a 5X wider field of view, allowing you fast, easy entry into the eye.
Refer to page 4 for full details

Coaxial Ophthalmoscope
Welch Allyn Coaxial Ophthalmoscope is the current style used on the USMLE.
Refer to page 5 for full details

Power Handle

Lithium Ion Handle
Lithium Ion Handle is lightweight and powers instrument heads for 120 minutes—twice as long as a conventional handle.
Refer to page 7 for full details

Convertible NiCad Handle
NiCad Convertible Handle is versatile and convertible for use with C-cell alkaline batteries.
Refer to page 7 for full details
Welch Allyn 3.5 V Lithium Ion Handle

The Welch Allyn Lithium Ion Handle powers any 3.5 V instrument head with LED for more than 120 minutes — twice as long as a conventional handle. This “smarter” lithium ion battery technology also means no memory effect, often found with NiCad batteries.

- Soft grip rheostat for intensity control selection
- Textured handle made of durable CYCOLOY® blend construction
- Low-battery indicator light

Quick-turn USB charging module can be plugged into any USB port; remove or keep charging module on handle with a 90 degree turn

Welch Allyn 3.5 V Nickel Cadmium Convertible Handle

Traditional chrome-plated brass construction for durability and long life. Rechargeable and can also be converted for use with standard C-Cell batteries.

- Rheostat control sets light intensity
- Well-balanced handle with knurled finish evenly distributes weight, rests comfortably in hand

How does the handle work with either rechargeable or C-Cell batteries?
Simply remove the rechargeable battery and charging section and replace with two C-Cell batteries and the converter ring.

When would the convertible handle most likely be used?
The convertible handle is a lifesaver if you are on call or taking an exam and have forgotten to recharge the battery. Also, the convertible handle is very handy when you are working overseas or in areas where it is difficult to find electricity.

- Transformer
  ETL/UL Recognized

- NiCad Battery

- C-Cell Converter

#71000-A
#71000-C
**Welch Allyn DS66 Trigger Hand Aneroid**

With gear-free DuraShock™ technology, you can count on the classic aneroid to remain in calibration longer than traditional aneroids, providing more accurate readings over time.

- Gear-free design withstands a 60” drop for more accurate readings over time
- Thumbscrew air-release valve provides constant deflation and is positioned for use in either hand

**Welch Allyn DS45 Integrated Aneroid**

Welch Allyn’s DuraShock Model DS45 offers quality and accuracy in an easily affordable system. It features a traditional thumbscrew design, and the gauge clips onto the cuff and bladder. It is also shock-resistant to 30 inches, lightweight and is backed by a 10-year calibration warranty.

- DS45 w/ Adult Cuff: DS45-11C
- DS45 w/ Multi-Cuff Kit: DS45-MC

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**Why is it important to invest in a sphygmomanometer (aneroid)?**

Taking a patient’s blood pressure is one of the most frequent diagnostic tasks you’ll perform throughout your medical career. High blood pressure (hypertension) affects nearly one in three Americans and plays a major role in deaths due to cardiovascular disease. The sphygmomanometer is your tool for early detection of this silent killer and will be used on nearly all of your patients.

It is vitally important to be well trained in blood pressure measurement technique and to have an accurate, reliable instrument to properly diagnose and determine treatment options. Owning your own sphygmomanometer will allow you to practice and gain competency in blood pressure measurement.
Cardiology Stethoscopes

Our stethoscopes were developed during a 30-year association with Dr. W. Proctor Harvey, MD—the first and only “Master” of cardiology awarded by the American College of Cardiology—and designed to accentuate important, high-frequency heart sounds.

Harvey™ DLX Double-head Stethoscopes

- Rotatable binaurals
- Adjustable triple-leaf spring for optimum comfort
- Dual-lumen, 28” latex-free tube: provides sufficient reach
- Comfort sealing eartips: Allow you to effectively seal the ear, while also providing sufficient comfort
- High-frequency diaphragm: Detects higher-frequency heart and lung sounds at 100-1,000 Hz
- Low-frequency bell: Detects lower-frequency sounds and murmurs at 20-100 Hz
- Multihead brass chestpiece: Includes bell and flat diaphragm

Harvey™ Elite Stethoscopes

- Rotatable binaurals for optimal fit
- Adjustable triple-leaf spring for optimum comfort
- Name tag
- Dual-lumen, latex-free tube
- Comfort sealing eartips
- High-frequency diaphragm with non-chill rim for patient comfort
- Stainless steel chestpiece
- Low-frequency bell
- Dual-bore, one-piece PVC tubing

What should I look for in a stethoscope?

You want to be sure that the stethoscope fits correctly. If you can’t get sound past the eartip to your tympanic membrane, all other features are unimportant. The more custom the fit, the easier the sounds travel to your ear.

As a student, you must consider the versatility of the scope. Remember you will be doing rotations, including pediatrics and cardiology. The Harvey DLX and Elite, for example, adapt easily for pediatrics, and the bell is essential for cardiology.

Every Harvey DLX and Elite stethoscope comes with a free copy of Harvey Heart Sounds Sampler, an interactive CD for learning heart sounds and a Cardiology Accessory Kit.

Cardiology Accessory Kit Includes:
- Pediatric Diaphragm Assembly
- One pair/each: Medium Soft Eartips, Large Hard Eartips and Extra Large Hard Eartips

Ordering Information

Harvey DLX Stethoscope
- Black: 5079-125S
- Burgundy: 5079-328S
- Green: 5079-327S
- Navy: 5079-326S

Harvey Elite
- Black: 5079-125S
- Burgundy: 5079-270S
- Green: 5079-284S
- Navy: 5079-271S
Bivalve Nasal Speculum
Adjustable speculum facilitates removal of foreign bodies, autoclavable for complete sterilization.

26035 Bivalve Nasal Speculum
Only—for use with the diagnostic otoscope/throat illuminator

26038 Bivalve Nasal Speculum—complete with illuminator base

Disposable Universal KleenSpec® Specula
2.75 mm and 4.25 mm disposable specula eliminate cross-contamination.

52432-U, 52434-U Disposable KleenSpec Specula

52700 Slotted Specula Instrumentation Tip

Corneal Viewing Lens
Replaces the patient eyecup on the PanOptic ophthalmoscope to provide extra magnification for exams of the cornea.

11875 Corneal Viewing Lens

LED Replacement Lamps
Upgrade to LED lamps for longer life, high efficiency, and SureColor™ LED technology that reduces glare while preserving the color and clarity of the view.

03100-LED Traditional Diagnostic Otoscopes

06500-LED MacroView Diagnostic Otoscopes

04900-LED Traditional Ophthalmoscopes

03800-LED PanOptic™ Ophthalmoscopes

Fiber-Optic Nasal Illuminator
Provides superb view of nasal passages.

26535 Fiber-Optic Nasal Illuminator Section—for use with diagnostic otoscope/throat illuminator

26538 Fiber-Optic Nasal Illuminator—complete with illuminator base

Fiber-Optic Finnoff Transilluminator
Eliminates patient discomfort in transillumination of frontal and maxillary sinuses.

41100 Fiber-Optic Finnoff Transilluminator

Patient Eyecup
Package of 5 reusable eyecups for PanOptic ophthalmoscope.

11870 Patient Eyecup

Lithium Ion Power Handle
AC Charger
Removable charging module with retractable AC prongs can be plugged into any 110 V outlet.

71950 AC Charger for Lithium Ion Power Handle, 120 V, 60 Hz AC

Welch Allyn LED Lamps

LED technology provides the benefits of LED while operating at a color similar to halogen.

LED is Energy Efficient

3X the on-time vs. halogen with Welch Allyn rechargeable handles

Lower operating temperature intended for greater patient/clinician comfort

30X Longer Life

30X the lamp life of a traditional halogen lamp in just one LED lamp.

80% cost savings over the life of the lamp

7 Year Warranty

HALOGEN LED
While you’re a student and through your second year of residency all Welch Allyn student diagnostic instruments are unconditionally guaranteed against failure. The only thing we don’t cover is loss or theft. This includes our lamps—if the light burns out, we’ll replace it free of charge.

Welch Allyn Product Warranties

**Diagnostic Sets**
After you complete your education and second year of residency, Welch Allyn will continue to repair or replace, free of charge, any parts of our manufacture that prove to be defective for reasons other than misuse, neglect, damage during shipment, or normal wear and tear.

**Blood Pressure Aneroids**
Our Welch Allyn Tycos DS58 Classic features a lifetime warranty against parts and manufacturing defects, and free recalibration if ever required. The DS66 Trigger Hand Aneroid carries a 15-year warranty, including free recalibration if required. The DS45 Integrated Hand Aneroid is backed by a 10-year calibration warranty.

**Stethoscopes**
The Harvey™ Elite® and Harvey™ DLX Double- and Triple-head Stethoscopes carry a 10-year warranty beyond the unconditional guarantee during the time you are a student through your second year of residency.