HEALTH SERVICES

Vision & Hearing Screening

- Creating a complete vision screening solution
- Integral tools for hearing screening

Assisting Schools with Their Vision & Hearing Screening Equipment Since 1957
Vision & Hearing Screening

Creating a complete vision screening solution

Good vision is an integral part of children's success and overall development. Recent studies show that as much as 80% of childhood learning occurs through his or her eyes. Because of this, a complete vision screening solution is important in any pre-school and K-12 program.

Complete vision screening solution programs contain many elements that help to ensure a thorough screen.

School Health recommends the Welch Allyn Spot™ Vision Screener for information about eye and vision disorders that could lead to amblyopia or reduced vision. This includes abnormal refractive errors (farsightedness, nearsightedness, and astigmatism), anisometropia (difference of refraction between the eyes), and eye misalignment.

School Health also recommends including tests of visual acuity for children who are too young or cannot participate in instrument-based screening. The AAPOS basic kit includes distance tests of visual acuity with LEA SYMBOLS® and Sloan Letters to check the clearness of vision when identifying symbols or letters at a prescribed distance. The AAPOS supplemental kit includes a color vision deficiency test and tests of visual acuity for near vision.

These comprehensive vision screening solutions will help you screen with efficiency and confidence.

Five steps to creating a complete screening solution

1. Children should be screened annually, especially between their third and sixth birthdays. When children are screened regularly, many common vision problems can be better managed and sometimes prevented altogether.

2. Vision screening personnel should be trained and certified, with recertification occurring every three to five years. We can best serve our schools by keeping up with advances in technology and understanding of eye health.

3. Utilize age-appropriate and scientifically validated devices. The right screening tools give us an important leg-up for identifying potential visual impairments.

4. Provide understandable results to the parent or caretaker of the student being screened. We must be able to explain our findings to parents in a way they will understand.

5. Have a defined follow-up procedure to ensure that children receive proper care. Having an effective follow-up program in place can help to ensure that the needed care is received.

In this brochure School Health offers all of the products you need for successful vision screening. With these tools we help to ensure that everyone can learn and perform to the best of their abilities.
**OBJECTIVE VISION SCREENING**

**Welch Allyn Spot Vision Screener VS100S-B**
Whether you’re screening 10 or 10,000 kids, any member of your team can conduct vision screenings. Spot is a breakthrough vision-screening device that quickly and easily detects vision issues across all age groups starting at six months. Spot can screen up to 60 children per hour.

**Spot is Thorough**
Spot instantly detects the indication of major vision issues, including:
- Hyperopia: farsightedness
- Myopia: nearsightedness
- Anisometropia: unequal refractive power
- Astigmatism: blurred vision
- Gaze: eye alignment measurement
- Anisocoria: unequal pupil size

**Why Spot is Perfect For Schools**
- Handheld, portable & self-contained device
- Fast binocular screening with a capture time of 1 sec.
- Automated screening provides thorough, objective results in seconds
- Easy-to-understand results help determine follow-up care
- Weighs approx. 2.5 pounds
- Works from about three-feet away
- WiFi enabled
- Holds 2,000 to 3,000 results
- Can screen with or without corrective eyewear
- Reimbursable CPT code: 99174

**Package Includes:** Spot Vision Screener, Spot Soft Carry Case, Wireless Printer, 1st Year Medical Device Warranty.
*Spot Screener Package.................... 52890 $7,956.00 pkg.*

**Spot Vision Screener with Carrying Case . . . 1003001 $7,495.00 ea.**

**Titmus V3 Model**
The Titmus V3 vision screening instrument features a compact, lightweight, foldable design for ease of handling, Line-at-a-Time™ and Object-at-a-Time™ Pointing System, membrane panel for operation, ergonomic design for patient comfort, standardized test illumination and an integrated handle for ease of transport.

Includes: Carrying Case, Test Slides, Plus Lens Unit (+1.75), Manual, Pad of 50 Record Forms, 3 Fog Eliminator Cloths, Dust Cover, and a 2 year warrenty.

*............................... 52783 $2,687.00 ea.*

**EARLY INTERVENTION KITS**

**Spot Early Intervention Combo Kits**
Early Intervention of vision and hearing is important for learning and proper development of speech and language. Treatment outcomes are much more successful the earlier a problem is detected.

Vision testing is done using the Welch Allyn® Spot Vision Screener, which provides objective screening results in less than 5 seconds, screening the whole lens at once from 3 feet away. The unit automatically measures and indicates abnormal readings. A pass or refer result is given at the end of the screen to indicate whether a child should be referred on for further care.

Hearing testing is done through Otoacoustic Emissions (OAE). The units screen the hair cells in the middle ear through a soft tone presented through a probe placed in the ear canal. A small microphone in the probe measures the echo that is returned from the ear. The echo is analyzed to determine how well the inner ear is working.

**Early Intervention Spot Combo Kit #3**

............................... 1001961 $11,968.00 kit $11,568.00 kit

**Early Intervention Spot Combo Kit #4**
Includes Spot Vision Screener, Maico OAE, Maico OAE Printer with Paper (Spot Vision Screener Printer Not Included).

............................... 1001962 $11,232.00 kit $10,850.00 kit

**Trade-in your old Titmus, Stereo Optical, Optec 1000, or Keystone unit and Receive $300 off a Titmus VSeries, and a $50 School Health gift card!**

**GENERAL TESTING MODEL**
- “E” Symbol Acuity (SAS-PT)
- Muscle Imbalance (SPS-3)
- Lea Symbols® (LEA)
- Visual Acuity (SABRL-4)
- Pediatric Color (SPCD-1)
- Combined Phoria (SPS-4)
- Visual Acuity (SABRL-2A)
- Ishihara Color Perception (SCD-1)

**Early Intervention Spot Combo Kit #3**

............................... 1001961 $11,968.00 kit $11,568.00 kit

**Early Intervention Spot Combo Kit #4**
Includes Spot Vision Screener, Maico OAE, Maico OAE Printer with Paper (Spot Vision Screener Printer Not Included).

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Order toll free or speak with a School Health customer care expert - 866-323-5465
**Vision & Hearing Screening**

**COMPUTERIZED VISION SCREENING**

**EyeSpy 20/20 Vision Screening Kit**

EyeSpy 20/20 Vision Screening Kit is an accurate, reliable and easy to use computerized vision screening kit that evaluates the entire vision system via a child friendly computer game. EyeSpy 20/20 can be installed on as many computers within the licensed school and used simultaneously.

- Can’t be memorized
- Tests are all randomized
- Loads to any PC
- Perfect partner to the Spot Vision Screener

Vision Screening Package (1st School) ........52932 $4,950.00 pkg.
Each Additional School within District ........52933 $495.00 ea.

**ILLUMINATED CABINETS & CHARTS**

**A. Complete LED Insta-Line Quantum™**

The complete LED Insta-line Quantum provides long-lasting illumination utilizing the technology of LED and a rechargeable battery.

This unit also comes standard with a wireless remote which allows one person to administer a complete series of vision screening tests in less than two minutes.

Ideal for ages 3 through adult, the Insta-line Quantum is used to screen for visual acuity at 10 feet and for assessing muscle imbalance.

Includes LEA Symbols Test Set, LEA Numbers, Tumbling E Chart, Sloan Letters Chart, and HOTV Test Set, occlude, +1.75, +2.25, and +2.50 hyperopia glasses.

Completely self contained and weighs only 10 lbs.

Dimensions: 14.5"H x 9.25" W x 5" D. CSA Listed.

$1,665.00 ea.

**B. ESV1200 Illuminated Cabinet w/LED**

LED lights provide uniform illumination across the entire testing surface. The ESV1200 provides additional storage space for extra charts and can be powered by an optional battery pack for portability. Requires 9” x 14” charts, sold separately. Compact and light-weight design is perfect for small spaces and frequent travel. Charts sold separately.

Weight: 4.5 lbs.
Dimensions: 9.25”W x 15”H x 1.75”D

$236.00 ea.

**Acuity Charts for Insta-Line Quantum™**

All charts listed below come with a corresponding overlay to be used with Insta-Line Plus™ Models.

**C. LEA Symbols® Threshold Set**

with Response Panel and 4 Flash Cards ........52521 $41.60 set

**D. HOTV Threshold Test Set**

with Response Panel and 4 Flash Cards ........52502 $41.60 set

**E. Proportional-spaced**

Chart Only ........................................ 52386 $18.25 ea.
Complete Set .................................... 52844 $18.25 ea.

**F. Proportional-spaced Sloan Letters**

Chart Only ........................................ 52844 $18.25 ea.

**LEA Symbols® 10 Foot 9” x 14” Translucent Distance Acuity Charts**

Set includes response panel and flash cards.

**Vision & Hearing Screening**

**www.schoolhealth.com** - Order 24/7, 1,000’s of additional products, online only specials, FAQ’s and more!
AAPOS SCREENING KITS

AAPOS Vision Screening Kits
The American Association for Pediatric Ophthalmology and Strabismus (AAPOS) has developed two basic screening kits and one supplemental kit for screening the vision of children beginning at age 3 years through adulthood. Kits are designed for use by School Nurses, Head Start personnel, Child Care Providers, Lions Club members, and anyone who screens vision.

**Basic kit includes:**
LEA SYMBOLS® and Sloan Letters for distance screening. The other kit includes HOTV and Sloan Letters, also for distance screening. Both basic kits include charts for full threshold screening and charts for critical line screening (presenting only the line the child needs to pass according to the child’s age).

**The supplemental kit:** is for near visual acuity, stereopsis, and color vision deficiency screening.

| AAPOS Basic Vision Screening Kit (not shown) | 52898 | $72.25 kit |
| AAPOS Basic Vision Screening Kit with HOTV and Sloan Letters | 1005591 | $72.25 kit |
| AAPOS Vision Screening Supplemental Package (not shown) | 52899 | $259.50 pkg. |

Near/Distance Vision Screening Kit with Tutorial DVD by AAPOS, GOOD-LITE® & School Health
Designed specifically for School Nurses, this kit is a portable, lightweight, and user-friendly way to screen the vision of preschool and school-aged children for distance and near visual acuity.

**Kit Includes:**
- 4 Double-Sided, 10-Foot Distance Eye Charts — 8 lines of optotypes — 20/100, 20/63, 20/50, 20/40, 20/32, 20/25, 20/20, and 20/16
  - > LEA Symbols®
  - > LEA Numbers®
  - > HOTV
  - > Sloan Letters

- 4 Double-Sided, 16-Inch Near Vision Charts — 10 lines of optotypes — 20/200, 20/100, 20/80, 20/63, 20/50, 20/40, 20/32, 20/25, 20/20, and 20/16
  - > LEA Symbols®
  - > LEA Numbers®
  - > HOTV
  - > Sloan Letters

- Double-sided Response Panel for LEA Symbols and HOTV Optotypes for Matching
- Fun Frame Occluder Glasses
- School Nurse Vision Screening Tutorial DVD by Kathy Lee, MD, PhD, a pediatric ophthalmologist

| 52842 | $65.50 kit |

NEAR/DISTANCE VISION SCREENING CHARTS

PB23 Lea and Sloan Letters Plastic Chart with a Response Panel and Flash Cards
PB23 Lea and Sloan Letters Plastic Chart features a linear-spaced line sizes; line sizes range from 20/100 to 20/16 equivalent. Lines are labeled with 10’ and 20’ foot notation.

| 52530 | $16.25 ea. |

Sloan Letters Near Vision Card
Proportional-spaced lines. Different letters are printed on each side to avoid memorization. With 16” non-stretch cord.

| 52160 | $31.65 ea. |

LEA SYMBOLS® Near Vision Screener Card
Proportional-spaced lines on one side and tightly-spaced symbols on the other. Testing of crowding effect is important in amblyopia screening. With 16” non-stretch cord.

| 52151 | $31.65 ea. |
Vision & Hearing Screening

STEREOSIS, STEROPSIS & COLOR VISION

Good-Lite ColorCheck Complete Vision Screener
This test offers both LEA Numbers and Pediatric LEA Symbols screening for protan/deutan (red/green) and plates screening for tritan (blue/yellow).

- 52946 $144.00 ea.

Random Dot E Stereopsis Test
Designed to rapidly screen for strabismus in early and non-readers and non-verbal children and adults.

- 52305 $115.66 ea.

NEW!

HRR Pseudoisochromatic Plates, 4th Edition
The kit comes with 6 plates (screening series) that present the most difficult, yellow, blue, red, and green, colors and separate Normals from Defectives. Standard English Version includes:
- 24 Plates, brush, English instructions and score sheet (not shown).

- 1005574 $219.00 ea.

OCCLUDERS & ACCESSORIES

Occluders (Non-breakable plastic)

- 52000 $20.70 pkg.

“Freddy The Fish” Disposable Occluders
Disposable fish shaped paper occluders helps to make pediatric vision testing more fun for the child, and easier for the adult.

- 52131 $37.85 pkg.

NEW!

Sunflower Occluder Glasses
These fun occluding glasses have flip-up sunflowers to permit occlusion of each eye. Recommended with frosted occluders for smaller faces beginning at age 3.

- 52851 $30.30 ea.

Hyperopia Flipper
Additional strengths available

- 1005583 $16.00 ea.
- 1005587 $16.00 ea.
- 1005573 $16.00 ea.

www.schoolhealth.com  -  Order 24/7, 1,000’s of additional products, online only specials, FAQ’s and more!
Integral tools for hearing screening

The difference between hearing screening and hearing evaluation can sometimes be confusing. A hearing screening is usually a preliminary step in which an individual’s hearing is checked to see if further evaluation is required. It is estimated that 30 school children per 1,000 may suffer from some form of hearing loss. Efforts to provide consistent screening at regular intervals will help ensure that children with hearing loss are identified and managed in a timely manner.

Choosing age appropriate hearing screening equipment

**Pure Tone Audiometric Screening** has traditionally been recommended for children over 3 years of age who can follow instructions and complete the screening tasks.

**Oto-acoustic Emissions (OAE)** screening is recommended for all children aged 3 years and under. OAE screening is also appropriate for children over 3 who are unable to follow the instructions or complete the tasks required for Pure Tone screening.

Maico® Digital Pilot Audiometer

Screens children as young as three years old by presenting the hearing test as an interactive game making it fun and easy for the child to understand.

- Tests in English and Spanish
- Can switch to Pure Tone for older children
- Easy to use
- Accurate results

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<tr>
<th>Model</th>
<th>Description</th>
<th>Price</th>
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<tr>
<td>MA27</td>
<td>The MA27 ensures accurate and fast test results. Large finger tip control knobs provide access to a full range of frequencies and hearing levels. Rugged yet light weight case includes built-in storage and handle. Easy to operate. 1st year calibration is FREE</td>
<td>$1,050.00 ea.</td>
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<tr>
<td>MA27e</td>
<td>with SNAP EMR Capability, includes switch and USB cable</td>
<td>$1,141.00 ea.</td>
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<td>MA 39 Portable Audiometer</td>
<td>Designed to perform simple, rapid and reliable air conduction hearing tests. Application ranges from school testing, Head Start programs, pediatric screenings and more. Quick, accurate results can be viewed on a bright, easy to read LED screen. Comes standard with a light, soft-sided carry case. with Hard Case.</td>
<td>$1,431.71 ea.</td>
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Maico MA25 Pure Tone Screeners

Engineered to be tough and reliable. Simple to use and exceptionally light. Includes Carry Case.

- Meets ASHA Guidelines
- Light weight and easy to transport
- Interfaces with electronic medical software
- 1st year calibration is FREE

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<td>MA25 Audiometer</td>
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<td>$937.50 ea.</td>
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<tr>
<td>MA 25e Audiometer with SNAP EMR Capability, includes switch and USB cable</td>
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Maico MA27 Ultra Portable Audiometer

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Maico MA 39 Portable Audiometer

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<td>MA39</td>
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<td>$2,382.00 ea.</td>
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Never interchange headsets. Each headset is calibrated specifically to its Audiometer.
Vision & Hearing Screening

OAEs

Get a $100 School Health Gift Card with the purchase of a Maico MA 27.

Maico® EroScan DPOAE
The Eroscan DPOAE is an OAE screener for the early detection of hearing loss. This device quickly screens for hearing loss using objective OAE screening technology of measurement by testing the outer hair cells of the ear. The smaller design and accessories allows for easy portability and ease of use.

Includes:
- Carry case, USB cable, wall charger, ear tip kit, probe tubes, software OAE data management module, user guide and quick start guide.
- Printer sold separately.

DPOAE ........................................... 51295 ........................................... $3,494.00 kit
DPOAE and Printer ........................... 51340 ............................................. $3,612.00 kit

Accessories
- Printer ........................................... 51296 ........................................... $255.50 ea.
- Printer Paper ................................. 51297 ........................................... $3.01 ea.
- Disposable Probe Tubes ................. 1003236 ........................................ $30.00 ea.

Welch Allyn® OAE Hearing Screener
The Welch Allyn Otoacoustic Emission (OAE) Hearing Screener precisely and objectively screens for hearing loss in newborns, infants, toddlers, preschool, and school-age children in just seconds.

Includes:
- OAE Screener, Probe, Disposable Tip Starter Pack, Printer, Database SW

EARTIPS & ACCESSORIES

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Audio Wipes™
Disinfecting towelettes for cleaning headsets
Designed for effective cleaning of headphones, hearing screening instruments.
5" x 5" Wipes

Phone Guards
Convenient and hygienic headphone covers.
Latex-free.
500/box .................. 21333 .................. $95.80 ea.