**TEST INSTRUCTIONS FOR THE WELCH ALLYN MICROTYMP®3**

**SELECT A TIP**
1. Select a large enough tip to seal the entrance to the ear canal.
2. Push the tip onto the probe. Make sure it is fully seated.

**TEST**
3. Pick up the handle and press . Either “OPEN 226” or “OPEN 1000” will display.
4. To switch to the other frequency, press both the and . Either “OPEN 226” or “OPEN 1000” will display.
5. Grasp the patient’s pinna. Pull gently back to straighten the ear canal. Both you and the patient should be motionless during the test.
6. Press the tip firmly against the ear canal opening. Once you achieve a seal, the green CHARGE indicator illuminates. Press to confirm the frequency.
7. Press the tip firmly against the ear canal opening. Once you achieve a seal, the test is complete when the last data point (226 Hz) and the patient should be motionless during the test.
8. Replace the handle in the Printer/Charger. The green CHARGE indicator illuminates.
9. Press 

**INTERPRETING 226-HZ RESULTS** ( tympanograms and associated clinical conditions)

- **Normal middle ear**
- **Low admittance—Normal peak Ya, abnormal gradient**
  - Otitis media with effusion
  - Tympanosclerosis
- **Low admittance—Low peak Ya**
  - Otitis media with effusion
  - Tympanosclerosis
  - Cholesteatoma
  - Middle ear tumor
- **High admittance—High peak Ya**
  - Tympanic membrane abnormalities
  - Ossicular disruption

**INTERPRETING 1000-HZ RESULTS**

- **PASS—Peak Ya ≥ 0.6 mmho**
- **REFER—Peak Ya < 0.6 mmho**
  - Middle ear effusion
- **RETEST—Try again!**

**TIPS FOR SUCCESS**

**BIGGER IS BETTER**
When using a tympanometric device with a probe designed for an external seal, such as the MicroTymp, a bigger tip is generally better since the seal is obtained from outside the external auditory canal, not inside.

**USE THE “SCOOP” METHOD**
Adapt best result by “scooping” the probe in behind the tragus.

**TRY A FAMILIAR ANGLE**
The head of the MicroTymp3 handle is angled at 15°—the same angle as a Welch Allyn otoscope. To holding the MicroTymp3 at the same angle required for an otoscopic view.

**PRACTICE, PRACTICE, PRACTICE**
For those who are new to tympanometry, or to this type of hand-held device, there are benefits to practicing the technique a few times. This builds confidence and skill, and makes getting a seal quite easy.

**NOTE:** Multiple RETEST results can be considered a REFER.