



How do I perform the ACT test?

1. In the MedRx Studio software, select the **AUD module** and click on the **ACT tab** at the top of the screen. (1)
2. The presentation level is automatically adjusted based on pure-tone audiometry thresholds at 250 Hz, 500 Hz, 1000 Hz, 2000 Hz & 4000 Hz.
3. Prepare the patient for the test by playing the **sound examples** located on the right side of the screen. (2)
4. Instruct the patient to push the response button when they hear the siren sound within the noise.
5. Once the patient is familiarized with how to respond, click on the **Start button** to begin the test. (3)
6. Present the siren sound by clicking the

Stimulate button.

If the patient responds, the test will automatically decrease in intensity and move on to the next trial. If the patient misses, the test will automatically increase in intensity and move on to the next trial.

7. Continue the test by presenting the siren sound until the patient responds three times at the same dB nCL level while the stimulus is ascending. Please note, a response on the descent is not counted toward the completion.
8. Once the test automatically completes, click on the **question mark next to the ACT Value** - a table will display showing general fitting advice per the severity level. (4)

Calculated ACT : 7.9 dB nCL ?



ACT is a New Test in MedRx Audiometers

This test takes 2-3 minutes to complete

What is ACT?

ACT stands for the Audible Contrast Threshold test. This supplemental test is designed to be performed in the booth and complement your existing workflow while providing new information to the clinician. Unlike traditional speech in noise tests, ACT is presented above-threshold and is non-language specific. Where the audiogram measures the quantity of hearing, ACT measures the quality of hearing to provide an assessment that reflects a person's real-world hearing abilities in noise.

What do I need to perform the ACT test?

- ACT Compatible Audiometer
- MedRx Studio 1.3 or above
- ACT Software License
- Patient Response Button
- Air Conduction Transducer (Headset or Inserts)

What is the ACT value?

The ACT value is denoted as dB nCL which stands for "normalized Contrast Level." The test uses modulated noise signals to determine how much 'contrast' a client needs to hear the difference between sounds.



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Is ACT available as a software upgrade?

The ACT test comes standard with new purchases of the A2D+ Audiometer, the AVANT ARC and the MedRx AWRC. An ACT license can be added on to devices compatible with the MedRx Studio Software. Please reach out to your MedRx representative with your audiometer serial number to determine the compatibility of your device and any applicable license fees.

What are the instructions for the patient?

The ACT takes 2-3 minutes to complete and will determine how well you can hear in a noisy situation. The result can then be used to more accurately adjust your hearing aids to give you the best performance and outcomes in noise. You will hear bursts of noise with a siren sound embedded. Please press the response button only when you hear the siren sound. The siren will gradually get fainter, but no matter how faint or loud it is, please press the button when you hear the siren sound.

Using the ACT Results

The ACT results can be used to help program advanced adaptive features in the hearing aid programing. A normal ACT value would indicate that a patient needs minimal adaptive features while a severe score will indicate a need for maximum advanced features.

The ACT test is compatible with the A2D+ Audiometer, AVANT ARC and the MedRx AWRC

Watch 4 short ACT training videos:

medrx-diagnostics.com/products/act

Contact your local MedRx representative to book a demo.

