



## How do I perform the ACT test?

1. You must have minimum required responses on the audiogram. 250, 500 Hz, 1000 Hz, 2000 Hz & 4000 Hz. This automatically determines the **presentation level** of the ACT test.

2. In the AUD module within the Studio Software, click on the **ACT** tab at the top of the screen.

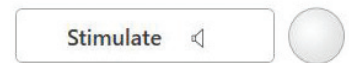


3. **Sound samples** for the test are located on the right side of the screen, play them as needed to familiarize the patient with what to expect.

4. Instruct the patient to push the button when they hear the siren sound within the noise.

5. Click on the **Start Button**.

6. Randomize the presentations to the patient by clicking on the **Stimulate Button**.



(The Stimulate button appears once you hit the Start button). The test is designed to bracket based on the patients' response.

7. Once the test is complete, click on the question mark next to the **ACT Value** - a table will display showing general fitting advice per the severity level.

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. The ACT is a supplemental test to the audiogram. The test is designed to be performed in the booth and complement your existing workflows while providing new information to the clinician. This test assesses the quality of hearing in noisy situations. Because it does not use speech material, it doesn't matter which language the client speaks.

## What do I need to perform the ACT test?

- Latest Version of Studio Software
- ACT Software License
- ACT Compatible Audiometer
- 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?

Yes, depending on the age of your audiometer. You must have an audiometer compatible with the MedRx Studio Software. In the US there is a license fee for ACT on some units. It is determined by the product serial number. Please reach out to your MedRx representative and they can help to determine the fee if any. The ACT test comes standard in new purchases of the A2D+ Audiometer, the AVANT ARC and the MedRx AWRC

## How should I prepare my patient before the test?

Before the test let them know - I will place a set of headphones over your ears. You will hear bursts of noise. The noise will occasionally be combined with a siren sound. You will need to press the button only when you hear the siren sound. The siren will gradually get fainter, but no matter how faint or loud it is, still press the button for the siren sound.

## Using the ACT Results

The ACT results can be used to help program a hearing aid in new ways. Unlike traditional speech in noise tests the ACT is an aided speech in noise test which helps estimate the patient's performance in noise with hearing aids. A normal ACT test would indicate that a patient can use noise reduction later and less aggressively than a patient with a severe ACT result.

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](http://medrx-diagnostics.com/products/act)

Contact your local MedRx representative to book a demo.

