

# Medical & Life Sciences

A Complete Range of Certified, High-Performance  
Audiology Systems for Hearing Testing & Diagnosis



- Certified performance
- Accutone2 enhanced Noise Isolation Class
- Noise-Lock® doors & windows
- Pre-configured and custom designs
- In house design, manufacture and installation
- Over 50 years experience



# Medical & Life Sciences

**A complete range of certified, high-performance audiology systems for hearing testing & diagnosis**

IAC Acoustics is the world's leading supplier of audiometric testing and medical research facilities. Having designed and built over 40,000 rooms since 1949, for hospitals, clinics, universities, schools, laboratories and medical centers internationally. Whether you require a standard screening booth, customized audiology room/suite or a vehicle-mounted mobile unit, you can be confident that IAC Acoustics audiometric test facilities will comply fully with all relevant acoustic criteria, technical standards and international design specifications.

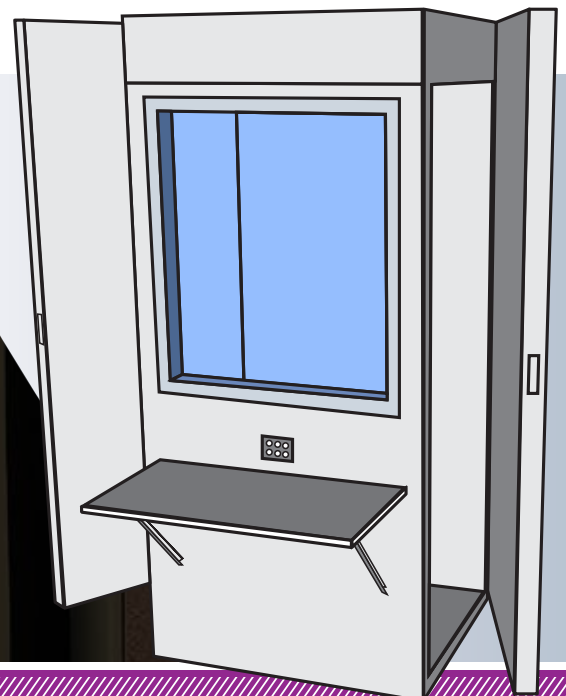
## **IAC Acoustics is able to offer the following types of audiology facilities:**

- Single occupancy booths
- Standard booths (of varying different sizes and layouts)
- Made to order rooms and booths
- Mobile facilities
- Hospital/clinic complete build-out
- Refurbishment of existing rooms
- Room treatments/conversions for existing rooms being modified for audiology testing

In addition to the above, IAC Acoustics can also provide a complete turnkey service.

## **254 Series Mini-Max Sound Shelter**

The 254 Series design is engineered to allow flexibility in any environment and can be quickly transformed to achieve a right or left hand configuration.



## Standard Audiology Booths

IAC Acoustics modular audiology rooms are available in a wide range of sizes and can be finished to suit individual requirements. The range of rooms available are:

- **40a Range:** single wall construction complete with acoustic window
- **TETRA:** single wall construction for use in corners to save space
- **120a Range:** double wall construction for extra acoustic performance complete with quadruple glazed acoustic window
- **act Range:** a mixture of single/double wall construction rooms, each with an adjoining control/observation room

IAC Acoustics standard booths are constructed from 4" thick Noishield™ panels and offer a fitting environment for a whole range of audiological investigations and measurements, including bone conduction tests, speech therapy and psychological evaluations.



## Turnkey & Made to Order Hospital / Clinic Build-outs

Many projects require specially designed audiology rooms and booths to solve particular architectural and aesthetic issues. IAC Acoustics is able to design and install rooms and booths of virtually any size and shape to solve client problems.

A turnkey approach is adopted on many projects where IAC Acoustics undertakes associated works which have a bearing on the acoustic performance of a facility. Where this is the case, IAC Acoustics is able to provide:

- Acoustically compatible ventilation or air conditioning system
- Complete design flexibility with freedom to order rooms of almost any size and shape
- Electrical services
- Specialist and concealed wiring for test equipment, induction loops, communication systems, etc.

## Acoustic Performance

Room Model	Octave Band Center Frequency, Hz								1/3 Octave Band Center Frequency, Hz						
	125	250	500	1k	2k	4k	8k	NIC	125	250	500	1k	2k	4k	NRC
	Sound Transmission Loss, dB								Sound Absorption Coefficients						
30A Value	23	32	42	51	53	57	55	45	0.49	0.37	0.83	0.96	0.99	1.00	0.80
40A Classic	25	37	48	55	59	60	58	50	0.49	0.37	0.83	0.96	0.99	1.00	0.80
Enhanced	28	41	50	58	59	61	62	53	0.35	0.65	1.20	1.21	1.07	0.92	1.00
800 Series	33	49	56	65	71	74	73	60	1.12	1.12	1.10	1.01	0.89	0.76	1.05
Double Wall	47	62	83	91	99	97	91	70	0.49	0.37	0.83	0.96	0.99	1.00	0.80



**USA - North Aurora, IL**

**T: +1 (630) 270 1790**

**F: +1 (630) 966 9710**

**E: [iacacoustics@soundseal.com](mailto:iacacoustics@soundseal.com)**



[www.iacacoustics.com](http://www.iacacoustics.com)