



▶ **Anti-Human Heat Shock Protein 70-kd (HSP-70) Ab, IgG**

Clinical Utilities: Autoimmune inner ear disease (AIED) is a heterogeneous group of diseases with regard to clinical presentation and immunoreactivity to inner ear components. They include rapidly progressive sensorineural hearing loss (SNHL), Ménière's disease (MD), and sudden deafness (SD).

Animals that were immunized with HSP-70 and have elevated anti-HSP-70 antibodies did not develop hearing loss. Nevertheless, numerous studies have shown that patients with AIED had anti-HSP-70 antibody. A recent study shows that the EIA method for detection of anti-HSP-70 antibody has higher specificity, sensitivity and less false positive and false negative than Immunoblotting. RDL has developed a new EIA anti-Human HSP-70 antibody assay. This data indicates that the presence of circulating antibodies to HSP-70-kd serves as a marker for the diagnosis of AIED.

Test#: 260

CPT Code: 83520

Methodology: EIA

Turn around Time: 5 Days

Normal Range: <25 Units/mL
Equivocal: 25 – 29 Units/mL
Positive: >30 Units/mL

The test code for the **Anti-Inner Ear Disease Panel (AIED Panel)** that includes Anti-Inner Ear Membrane & Anti-Human Heat Shock Protein 70-kd is **265**.