

**TEST CHANGE**

**Autoimmune Liver Disease Reflexive Panel**

3002479, LIVER PAN

**Specimen Requirements:**

**Patient Preparation:**

**Collect:** Serum ~~separator tube~~ **Separator Tube** (SST).

**Specimen Preparation:** Separate from cells ASAP or within 2 hours of collection. Transfer 1.5 mL serum to an ARUP ~~standard transport tube~~ **Standard Transport Tube**. (Min: 1.0 mL)

**Transport Temperature:** Refrigerated.

**Unacceptable Conditions:** ~~Nonserum~~ **Non-serum**, heat-inactivated, contaminated, grossly icteric, severely lipemic, grossly hemolyzed specimens, or inclusion of fibrin clot.

**Remarks:**

**Stability:** After separation from cells: Ambient: 48 hours; Refrigerated: 2 weeks; Frozen: 1 ~~month~~ **year** (avoid repeated freeze/thaw cycles)

**Methodology:** Semi-Quantitative Enzyme-Linked Immunosorbent Assay ~~(ELISA)~~ **/Semi-Quantitative Indirect Fluorescent Antibody (IFA)**

**Performed:** Sun-Sat

**Reported:** 1-8 days

**Note:** If F-Actin, IgG by ELISA is 20 Units or greater, then Smooth Muscle Antibody (SMA), IgG by IFA titer will be added. Additional charges apply. ANA identified by indirect fluorescence assay (IFA) using HEp-2 substrate and IgG-specific conjugate at a screening dilution of 1:80. Positive nuclear patterns reported include homogeneous, speckled, centromere, nucleolar, or nuclear dots. Positive cytoplasmic patterns reported include reticular/AMA, discrete/GW body-like, polar/golgi-like, rods and rings, or cytoplasmic speckled patterns. All positive results are reported with endpoint titers at no additional charge.

**CPT Codes:** 86381; 83516; 86376; 86015; 86039; if reflexed, add 86256

**New York DOH Approval Status:** This test is New York DOH approved.

**Interpretive Data:**

Component	Interpretation
Mitochondrial M2 Antibody, IgG (ELISA)	20.0 Units or less Negative 20.1-24.9 Units Equivocal 25.0 Units or greater Positive
Soluble Liver Antigen Antibody, IgG	0.0-20.0 U Negative 20.1-24.9 U Equivocal Greater than or equal to 25.0 U Positive
Liver-Kidney Microsome - 1 Antibody, IgG	0.0-20.0 U Negative 20.1-24.9 U Equivocal 25.0 U or greater Positive
F-Actin (Smooth Muscle) Ab, IgG by ELISA	19 Units or less Negative 20 - 30 Units Weak Positive-Suggest repeat testing in two to three weeks with fresh specimen. 31 Units or greater Positive-Suggestive of autoimmune hepatitis type 1 or chronic active hepatitis.

**Reference Interval:**

Test Number	Components	Reference Interval						
	Mitochondrial (M2) Antibody, IgG	24.9 Units or less						
	Soluble Liver Antigen Antibody, IgG	24.9 U or less						
	Liver-Kid Microsome-1 Ab, IgG by ELISA	24.9 U or less						
	F-Actin (Smooth Muscle) Ab, IgG by ELISA	19 Units or less						
	F-Actin (Smooth Muscle) Ab, IgG by ELISA	<table border="1"> <tr> <td>19 Units or less</td> <td>Negative</td> </tr> <tr> <td>20-30 Units</td> <td>Weak Positive - Suggest repeat testing in two to three weeks with a fresh specimen.</td> </tr> <tr> <td>31 Units or greater</td> <td>Positive - Suggestive of autoimmune hepatitis or chronic active</td> </tr> </table>	19 Units or less	Negative	20-30 Units	Weak Positive - Suggest repeat testing in two to three weeks with a fresh specimen.	31 Units or greater	Positive - Suggestive of autoimmune hepatitis or chronic active
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		hepatitis.	
	Antinuclear Antibody (ANA), HEp-2, IgG	Less than 1:80	