

Reporting Title: Hepatic Function Panel, S  
Performing Location: Rochester

Shipping Instructions:  
[Ship specimen in amber vial to protect from light.](#)

Necessary Information:  
Patient's age and sex are required.

Specimen Requirements:  
Supplies: Amber Frosted Tube, 5 mL (T915)  
Collection Container/Tube:  
Preferred: Serum gel  
Acceptable: Red top  
Submission Container/Tube: Amber vial  
Specimen Volume: 0.6 mL

- Collection Instructions:
- Serum gel tubes should be centrifuged within 2 hours of collection.
  - Red-top tubes should be centrifuged, and the serum aliquoted into an amber vial within 2 hours of collection.

Specimen Type	Temperature	Time	Special Container
Serum	Refrigerated	7 days	

Result Codes:

Result ID	Reporting Name	Type	Unit	LOINC®
ALB	Albumin, S	Numeric	g/dL	1751-7
ALP	Alkaline Phosphatase, S	Numeric	U/L	6768-6
ALT	Alanine Aminotransferase (ALT), S	Numeric	U/L	1743-4
AST	Aspartate Aminotransferase (AST), S	Numeric	U/L	30239-8
BILID	Bilirubin, Direct	Numeric	mg/dL	1968-7
BILIT	Bilirubin Total, S	Numeric	mg/dL	1975-2
TP	Protein, Total, S	Numeric	g/dL	2885-2

LOINC® and CPT codes are provided by the performing laboratory.

Supplemental Report:  
No

CPT Code Information:  
82247  
82248  
84450  
84460

84075  
82040  
84155  
80076 (if appropriate if all analytes performed)

**Reference Values:**

TOTAL BILIRUBIN  
0-6 days: Refer to <http://bilitool.org/> for information on age-specific (postnatal hour of life) serum bilirubin values.  
7-14 days: 0.0-14.9  
15 days to 17 years: 0.0 -1.0  
>18 years: 0.0-1.2

DIRECT BILIRUBIN  
> or =12 months: 0.0-0.3 mg/dL  
Reference values have not been established for patients who are younger than 12 months of age.

ASPARTATE AMINOTRANSFERASE  
Males  
0-11 months: Not established  
1-13 years: 8-60 U/L  
> or =14 years: 8-48 U/L

Females  
0-11 months: Not established  
1-13 years: 8-50 U/L  
> or =14 years: 8-43 U/L

ALANINE AMINOTRANSFERAASE  
Males  
> or =1 year: 7-55 U/L  
Reference values have not been established for patients who are younger than 12 months of age.

Females  
> or =1 year: 7-45 U/L  
Reference values have not been established for patients who are younger than 12 months of age.

ALKALINE PHOSPHATASE  
Males  
4 years: 149-369 U/L  
5 years: 179-416 U/L  
6 years: 179-417 U/L  
7 years: 172-405 U/L  
8 years: 169-401 U/L  
9 years: 175-411 U/L  
10 years: 191-435 U/L

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11 years: 185-507 U/L  
12 years: 185-562 U/L  
13 years: 182-587 U/L  
14 years: 166-571 U/L  
15 years: 138-511 U/L  
16 years: 102-417 U/L  
17 years: 69-311 U/L  
18 years: 52-222 U/L  
> or =19 years: 45-115 U/L

**Females**

4 years: 169-372 U/L  
5 years: 162-355 U/L  
6 years: 169-370 U/L  
7 years: 183-402 U/L  
8 years: 199-440 U/L  
9 years: 212-468 U/L  
10 years: 215-476 U/L  
11 years: 178-526 U/L  
12 years: 133-485 U/L  
13 years: 120-449 U/L  
14 years: 153-362 U/L  
15 years: 75-274 U/L  
16 years: 61-264 U/L  
17-23 years: 52-144 U/L  
24-45 years: 37-98 U/L  
46-50 years: 39-100 U/L  
51-55 years: 41-108 U/L  
56-60 years: 46-118 U/L  
61-65 years: 50-130 U/L  
> or =66 years: 55-142 U/L

Reference values have not been established for patients who are younger than 4 years of age.

**ALBUMIN**

> or =12 months: 3.5-5.0 g/dL

Reference values have not been established for patients who are younger than 12 months of age.

**TOTAL PROTEIN**

> or =1 year: 6.3-7.9 g/dL

Reference values have not been established for patients who are younger than 12 months of age.