MAYO CLINIC LABORATORIES

# Test Definition: HSMP

Hepatosplenomegaly Panel, Plasma

**Reporting Title:** Hepatosplenomegaly Panel, P
**Performing Location:** Rochester

## Ordering Guidance:

This test should not be used for monitoring of patients with confirmed diagnoses. If testing requested is for monitoring purposes, see:
CTXP / Cerebrotendinous Xanthomatosis, Plasma
GPSYP / Glucopsychosine, Plasma
OXNP / Oxysterols, Plasma

## Specimen Requirements:

Collection Container/Tube:
Preferred: Lavender top (EDTA)
Acceptable: Green top (sodium heparin, lithium heparin), yellow top (ACD B)
Submission Container/Tube: Plastic vial
Specimen Volume: 0.3 mL
Collection Instructions:
1. Centrifuge at 4 degrees C, if possible
2. Aliquot plasma into plastic vial. Do not disturb or transfer the buffy coat layer.
3. Send frozen

## Specimen Minimum Volume:

0.25 mL

## Forms:

If not ordering electronically, complete, print, and send a Biochemical Genetics Test Request (T798) with the specimen.

| Specimen Type | Temperature | Time | Special Container |
|---|---|---|---|
| Plasma | Frozen | 65 days | |

## Result Codes:

| Result ID | Reporting Name | Type | Unit | LOINC® |
|---|---|---|---|---|
| 601542 | Interpretation (HSMP) | Alphanumeric | | 59462-2 |
| 601536 | Cholestane-3beta,5alpha,6beta-triol | Numeric | nmol/mL | 92755-8 |
| 601537 | 7-Ketocholesterol | Numeric | nmol/mL | 92764-0 |

| Result ID | Reporting Name | Type | Unit | LOINC® |
|---|---|---|---|---|
| 601538 | Lyso-sphingomyelin | Numeric | nmol/mL | 92747-5 |
| 601539 | Glucopsychosine | Numeric | nmol/mL | 92750-9 |
| 601540 | 7a-hydroxy-4-cholesten-3-one | Numeric | nmol/mL | 92761-6 |
| 601541 | 7a,12a-dihydroxycholest-4-en-3-one | Numeric | nmol/mL | 92758-2 |
| 601543 | Reviewed By | Alphanumeric | | 18771-6 |

LOINC and CPT codes are provided by the performing laboratory.

## Supplemental Report:
No

## CPT Code Information:

82542

## Reference Values:

CHOLESTANE-3-BETA, 5-ALPHA, 6-BETA-TRIOL
Cutoff: < or =0.070 nmol/mL

7-KETOCHOLESTEROL
Cutoff: < or =0.100 nmol/mL

LYSO-SPHINGOMYELIN
Cutoff: < or =0.100 nmol/mL

GLUCOPSYCHOSINE
Cutoff: < or =0.003 nmol/mL

7-ALPHA-HYDROXY-4-CHOLESTEN-3-ONE (7a-C4)
Cutoff: < or =0.300 nmol/mL

7-ALPHA,12-ALPHA-DIHYDROXYCHOLEST-4-en-3-ONE (7a12aC4)
Cutoff: < or =0.100 nmol/mL