

**Reporting Title:** MBL Complement Path, Func, S  
**Performing Location:** Rochester

**Ordering Guidance:**

The most appropriate primary assays to use as screening methods for complement deficiencies are COM / Complement, Total, Serum and AH50 / Alternative Complement Pathway, Functional, Serum. Abnormal results in one or the other, none, or both assays will help direct further testing. If total complement and AH50 are both normal but the suspicion of a complement deficiency remains, this test for the lectin pathway function is recommended. After the initial 3 pathways of complement functional status are evaluated, the analysis of individual components and regulators may uncover functional or quantitative defects in certain components.

This test is rarely useful when ordered in isolation.

As the heat-labile fraction of the immune system, complement activation in vitro has been a challenge for researchers and scientists. Because of the thermal instability of complement proteins, it is often necessary to repeat testing to rule out a possible pre-analytical issue with a sample type, real complement consumption, or dysregulation.

**Specimen Requirements:**

**Patient Preparation:**

- 1. If plasma exchange has been performed, wait 48 hours before collecting the specimen.
- 2. Fasting is preferred.

**Collection Container/Tube:** Red top (serum gel/SST are not acceptable)

**Submission Container/Tube:** Plastic vial

**Specimen Volume:** 1 mL

**Collection Instructions:**

- 1. Immediately after specimen collection, place the tube on wet ice.
- 2. Centrifuge at 4 degrees C and aliquot serum into plastic vial.
- 3. Freeze specimen within 30 minutes.

Specimen Type	Temperature	Time	Special Container
Serum Red	Frozen	14 days	

**Result Codes:**

Result ID	Reporting Name	Type	Unit	LOINC®
MBLF	MBL Complement Path, Func, S	Numeric	%	74522-4

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

**Supplemental Report:**

No

CPT Code Information:

86161

Reference Values:

> or =10%