

**Reporting Title:** Eculizumab Monitoring Panel, S  
**Performing Location:** Rochester

**Ordering Guidance:**

To measure only serum concentration of eculizumab, order ECULI / Eculizumab, Serum.

**Specimen Requirements:**

Patient Preparation:

1. Fasting preferred.
2. Suggest discontinuing natalizumab at least 4 weeks prior to testing for eculizumab quantitation in serum. Patient should consult the healthcare provider who prescribed this drug to determine if discontinuation is an option. If not, ok to proceed with testing while taking natalizumab.

Supplies: Sarstedt Aliquot Tube, 5 mL (T914)

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

Submission Container/Tube: 2 Plastic vials

Specimen Volume: 2 mL in 2 plastic vials, each vial containing 1 mL

Collection Instructions:

1. Draw blood immediately before next scheduled dose.
2. Immediately after specimen collection, place the tube on wet ice.
3. After sample has clotted on wet ice, centrifuge at 4 degrees C and aliquot serum into two 5 mL plastic vials.
4. Freeze specimen within 30 minutes of centrifugation. Sample must be placed on dry ice if not frozen immediately.

**Specimen Minimum Volume:**

1 mL total in 2 plastic vials, each vial containing 0.5 mL

Specimen Type	Temperature	Time	Special Container
Serum	Frozen	14 days	
Serum Red	Frozen	14 days	

**Result Codes:**

Result ID	Reporting Name	Type	Unit	LOINC®
65676	Eculizumab, S <b>Also used by tests: ECULI</b>	Numeric	mcg/mL	90240-3
618697	Eculizumab Complement Blockage, S	Numeric	%of norm	74520-8
619951	Eculizumab Interpretation	Alphanumeric		59462-2

LOINC and CPT codes are provided by the performing laboratory.

**Supplemental Report:**

No

**Components:**

Test ID	Reporting Name	CPT Units	CPT Code	Always Performed	Orderable Separately
ECULI	Eculizumab, S			Yes	Yes
EAH50	Eculizumab Complement Blockage, S			Yes	No
ECUIN	Eculizumab Interpretation, S			Yes	No

**CPT Code Information:**

80299

86161

**Reference Values:**

Eculizumab Complement Blockage:

&gt; or =46% normal

Eculizumab:

Lower limit of quantitation =5.0 mcg/mL

&gt;35 Therapeutic concentration for paroxysmal nocturnal hemoglobinuria (PNH)

&gt;50 Therapeutic concentration for atypical hemolytic uremic syndrome (aHUS)