

**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 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	Numeric	mcg/mL	90240-3
619951	Eculizumab Interpretation	Alphanumeric		59462-2
618697	Eculizumab Complement Blockage, S	Numeric	%of norm	74520-8

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

**Supplemental Report:**

No

**Components:**

Test Id	Reporting Name	CPT Units	CPT Code	Always Performed	Available Separately
ECULI	Eculizumab, S	1	80299	Yes	Yes
EAH50	Eculizumab Complement Blockage, S	1	86161	Yes	No

ECUIN	Eculizumab Interpretation, S			Yes	No
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CPT Code Information:

80299  
86161

Reference Values:

Eculizumab Complement Blockage:  
> or =46% normal

Eculizumab:  
Lower limit of quantitation =5.0 mcg/mL  
>35 Therapeutic concentration for paroxysmal nocturnal hemoglobinuria (PNH)  
>50 Therapeutic concentration for atypical hemolytic uremic syndrome (aHUS)