

## Diagnostic Laboratory Services

# Complement Component 4 (C4)

**SPECIMENS SHOULD BE REFRIGERATED AFTER CENTRIFUGING  
FOR COURIER TRANSPORT**

**Test ID:** C4, LAB3414

**Explanation:** Complement component 4 (C4) will be performed at Vanderbilt University Medical Center Diagnostic Laboratory. The orderable send out test C4-ARUP (LAB6067) will be inactivated on the effective date.

**Use:** C4 may assist in ruling out a complement deficiency.

### Specimen Requirements:

Container	Gold Top (Serum)
Specimen Volume	1 mL Serum
Pediatric Requirements	2 Gold Microtainers

### Specimen Stability Information:

20 – 25 °C	1 Day
2 – 8°C	2 Days

### New Reference Intervals:

0 – < 1 Year	7 - 30 mg/dL
1 Year - < 14 Years	13 - 37 mg/dL
14 Years – 80 Years (Male)	15 - 53 mg/dL
14 Years – 80 Years (Female)	15 - 57 mg/dL

**Previous Reference Intervals:**

0 - 30 days	8 - 30 mg/dL
1 month	9 - 33 mg/dL
2 months	9 - 37 mg/dL
3 months	10 - 35 mg/dL
4 months	10 - 49 mg/dL
5 months	9 - 48 mg/dL
6 months	12 - 55 mg/dL
7 - 8 months	13 - 48 mg/dL
9 - 11 months	16 - 51 mg/dL
1 year	16 - 52 mg/dL
2 - 4 years	12 - 47 mg/dL
5 - 11 years	13 - 44 mg/dL
12 - 17 years	14 - 41 mg/dL
18 years and older	10 - 40 mg/dL

**New Methodology Interferences**

Samples containing paraproteins (abnormal monoclonal antibodies) may interfere with test results. Samples with elevated total protein concentrations or samples from patients with suspected paraproteinemia can be screened using other laboratory methods such as protein electrophoresis. C4 results should be evaluated by comparing to other clinically relevant information.

<b>Days Performed</b>	<b>Times Performed</b>	<b>Turn Around Time</b>
Daily	Continuous	STAT: 1 Hour Routine: 2 Hours

**Note:** The following test code will become obsolete.

Test Name	Test ID
C4-ARUP	LAB6067

**Questions:** Please get in touch with VUMC Lab Customer Service at 615-875-5227 (5-LABS) or visit our website: [www.labVU.com](http://www.labVU.com)