

Complement C4 (C4)

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TEST OVERVIEW

Test Name	Complement C4
Test Code	C4
Short Description	Complement C4

OVERVIEW

Test Name	Complement C4
Test Code	C4
Category	Biochemistry
TAT	Main Lab: 6, Hour(s) Family Site: <8hrs, <6hrs
Specimen(s)	1 x Venous blood - 5 mL Tube - Gold - SST-Serum Separator Tube

SPECIMEN(S)

SST-Serum Separator Tube

Specimen Type	SST-Serum Separator Tube
Specimen Format	Tube
Specimen Colour	Gold
Specimen Volume	5 mL
Sampling Order	2
Origin	Venous blood
Collection time after baseline	-
Transport Temperature	2-8°C
Accepted Other Specimens	Lithium Heparin Plasma Sodium Heparin Plasma Serum

	EDTA Plasma
TAT	Main Lab: 6, Hour(s) Family Site: <8hrs, <6hrs
Test Stability	Room Temp: 2 Day(s) 2–8°C: 2 Day(s)

CLINICAL INFORMATION

Complement C4

Methodology	-
Specimen Type	SST-Serum Separator Tube
Delay before pre-treatment	6
Transport Temperature	2-8°C
Transport Stability at room temp	2 Day
Transport Stability at 2–8°C	2 Day
Haemolysis interference	<input type="button" value="No"/>

Clinical Interest

The **C4 complement assay** is a laboratory test that measures the level of C4 protein in the blood, an important component of the complement system, which is part of the immune system. As with C3, the C4 assay is used to diagnose and monitor various autoimmune and inflammatory diseases and other pathological conditions. Normal levels of C4 vary between 10 and 40 mg/dL.

Decreased C4 levels suggest increased consumption due to complement activation, typically in the context of autoimmune or chronic inflammatory diseases. Elevated levels may indicate an acute inflammatory response.

Like C3, C4 can be used to monitor transplant rejection, particularly in the early stages when complement may be activated.

PATIENT INFORMATION

Clinical Information Required	-
Patient Collection Notes	-

COMMENTS & NOTES

LOINC Code	98-2, 4498-2
Outwork	<input type="button" value="No"/>