

## Coombs Direct Test (Direct Antiglobulin Test - Dat) (COOMBS)

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### TEST OVERVIEW

<b>Test Name</b>	Coombs Direct Test (Direct Antiglobulin Test - Dat)
<b>Test Code</b>	COOMBS
<b>Short Description</b>	Coombs Direct Test (Direct Antiglobulin Test - Dat)

### OVERVIEW

<b>Test Name</b>	Coombs Direct Test (Direct Antiglobulin Test - Dat)
<b>Test Code</b>	COOMBS
<b>Category</b>	Immunohaematology
<b>TAT</b>	Main Lab: 6, Hour(s) Family Site: <6hrs
<b>Specimen(s)</b>	1 x Venous blood - 5 mL Tube - Lavender - EDTA Plasma

### SPECIMEN(S)

#### EDTA Plasma

<b>Specimen Type</b>	EDTA Plasma
<b>Specimen Format</b>	Tube
<b>Specimen Colour</b>	Lavender
<b>Specimen Volume</b>	5 mL
<b>Sampling Order</b>	4
<b>Origin</b>	Venous blood
<b>Collection time after baseline</b>	-
<b>Transport Temperature</b>	15-25°C
<b>Accepted Other Specimens</b>	-

<b>TAT</b>	Main Lab: 6, Hour(s) Family Site: <6hrs
<b>Test Stability</b>	Room Temp: 24 Hour(s) 2–8°C: 72 Hour(s)

## CLINICAL INFORMATION

### DAT (Coombs Direct Test-Direct Antiglobulin Test)

<b>Methodology</b>	-
<b>Specimen Type</b>	EDTA Plasma
<b>Delay before pre-treatment</b>	-
<b>Transport Temperature</b>	15-25°C
<b>Transport Stability at room temp</b>	24 Hours
<b>Transport Stability at 2–8°C</b>	72 Hours
<b>Haemolysis interference</b>	No

### Clinical Interest

The **direct coombs** test is a biological examination used to look for antibodies or complement proteins that have attached themselves to the surface of red blood cells (RBCs). This test is used to diagnose various pathologies that cause haemolytic anaemia, a disease in which red blood cells are destroyed faster than the body can replace them.

The direct coombs test is used to investigate a number of conditions:

- **Autoimmune haemolytic anaemia (AIHA):** this is a condition in which the body's immune system attacks its own red blood cells.
- **Drug-induced haemolytic anaemia:** Certain drugs can cause the body to produce antibodies that attack red blood cells. The direct coombs test may be positive in these cases.
- **Haemolytic disease of the newborn (HDN):** This disease occurs when the mother's antibodies attack the baby's red blood cells. The direct coombs test is positive in most cases of HDN.

## PATIENT INFORMATION

<b>Clinical Information Required</b>	-
<b>Patient Collection Notes</b>	-

## COMMENTS & NOTES

<b>LOINC Code</b>	04-1, 1004-1
<b>Outwork</b>	No