



# Test Definition: DHR

Dihydrorhodamine Flow Cytometric Test,  
Blood

**Reporting Title:** DHR Flow, B

**Performing Location:** Mayo Clinic Laboratories - Rochester Superior Drive

**Shipping Instructions:**

[Testing is not performed on Saturday, Sunday, or observed holidays. Only collect and ship specimens for arrival on days when testing is performed.](#)

**Specimens received on days when testing is not performed or after 5 p.m. Central on Friday will be canceled if specimen is outside of stability when testing is next performed.**

Collect and package specimen as close to shipping time as possible. Ship specimen overnight in an Ambient Shipping Box-Critical Specimens Only (T668) following the instructions in the box. It is recommended that specimens arrive within 24 hours of collection.

**Necessary Information:**

**Ordering healthcare professional name and phone number are required.**

**Specimen Requirements:**

**Two whole-blood sodium heparin specimens are required, one from the testing patient and the other from an unrelated healthy donor as a control.**

**Supplies:** Ambient Shipping Box-Critical Specimens Only (T668)

**Patient:**

**Container/Tube:** Green top (sodium heparin)

**Specimen Volume:** 5 mL

**Collection Instructions:** Send whole blood specimen in original tube. **Do not aliquot.**

**Normal Control:**

**Container/Tube:** Green top (sodium heparin)

**Specimen Volume:** 5 mL

**Collection Instructions:**

- 1. Collect a control specimen from the unrelated healthy donor within an hour of the patient's specimen collection time.**
2. Clearly label as **Normal Control** on the outermost label.
3. Send the whole blood specimen in the original tube. **Do not aliquot.**
4. Rubber band patient specimen and control vial together.

Specimen Type	Temperature	Time	Special Container
WB Sodium Heparin	Ambient	48 hours	GREEN TOP/HEP

**Result Codes:**

Result ID	Reporting Name	Type	Unit	LOINC®
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ANC	Absolute Neutrophil Count	Unknown	cells/mcL	751-8
PMAP	% PMA ox-DHR+	Unknown	%	85376-2
PMAM	MFI PMA ox-DHR+	Unknown	MFI	85374-7
FMPPP	% fMLP ox-DHR+	Unknown	%	85373-9
FMPM	MFI fMLP ox-DHR+	Unknown	MFI	85370-5
ANCC	Control Absolute Neutrophil Count	Unknown	cells/mcL	85369-7
PMAPC	Control % PMA ox-DHR+	Unknown	%	85377-0
PMAMC	Control MFI PMA ox-DHR+	Unknown	MFI	85375-4
FMPPC	Control % fMLP ox-DHR+	Unknown	%	85372-1
FMPMC	Control MFI fMLP ox-DHR+	Unknown	MFI	85371-3
DHRI	Interpretation	Alphanumeric		69052-9

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

**Supplemental Report:**

No

**CPT Code Information:**

86352 x2

**Reference Values:**

Result name	Unit	Cutoff for defining normal
% PMA ox-DHR+	%	> or =95%
MFI PMA ox-DHR+	MFI	> or =60
% fMLP ox-DHR+	%	> or =10%
MFI fMLP ox-DHR+	MFI	> or =2
Control % PMA ox-DHR+	%	> or =95%
Control MFI PMA ox-DHR+	MFI	> or =60
Control % fMLP ox-DHR+	%	> or =10%
Control MFI fMLP ox-DHR+	MFI	> or =2

PMA = phorbol myristate acetate

DHR = dihydrorhodamine

MFI = mean fluorescence intensity

fMLP = N-formyl-methionyl-leucyl-phenylalanine

The appropriate age-related reference values for Absolute Neutrophil Count will be provided on the report.