

Client: Example Client ABC123
123 Test Drive
Salt Lake City, UT 84108
UNITED STATES

Physician: Doctor, Example

Patient: Patient, Example

DOB: 8/2/1998
Gender: Male
Patient Identifiers: 01234567890ABCD, 012345
Visit Number (FIN): 01234567890ABCD
Collection Date: 00/00/0000 00:00

Neutrophil Oxidative Burst Assay (DHR)

ARUP test code 0096657

Neutrophil Oxidative Burst

See Note

DHR by Flow Cytometry

Interpretation:

No detectable increase in stimulated granulocyte dihydrorhodamine fluorescence, suggests X-linked chronic granulomatous disease or, less commonly, autosomal recessive chronic granulomatous disease. Suggest Neutrophil Oxidative Burst Assay on mother to distinguish between X-linked and autosomal recessive CGD. Recommend repeat testing or molecular testing (order Chronic Granulomatous Disease (CYBB Gene Scanning and NCF1 Exon 2 GT Deletion) with Reflex to CYBB Sequencing, ARUP test code 3000544).

Eszter Lazar-Molnar PhD, D(ABMLI)
5/20/2019

INTERPRETIVE INFORMATION: Neutrophil Oxidative Burst Assay

white blood cells are incubated with dihydrorhodamine 123 (DHR) and catalase then stimulated with Phorbol 12-Myristate 13-Acetate (PMA). Dihydrorhodamine oxidation to rhodamine by the respiratory burst of the cell is measured by flow cytometry.

Results are reported as the ratio of the mean channel fluorescence of stimulated cells versus unstimulated cells, which yields a stimulation index (SI).

Test developed and characteristics determined by ARUP Laboratories. See Compliance Statement B: aruplab.com/CS

EER Neutrophil Oxidative Burst

See Note

Access ARUP Enhanced Report using either link below:

-Direct access:

[Redacted]

-Enter Username, Password:

Username: [Redacted]
Password: [Redacted]

H=High, L=Low, *=Abnormal, C=Critical

VERIFIED/REPORTED DATES

Procedure	Accession	Collected	Received	Verified/Reported
Neutrophil Oxidative Burst	19-137-124506	00/00/0000 00:00	00/00/0000 00:00	00/00/0000 00:00
EER Neutrophil Oxidative Burst	19-137-124506	00/00/0000 00:00	00/00/0000 00:00	00/00/0000 00:00

END OF CHART

H=High, L=Low, *=Abnormal, C=Critical