

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

Physician: Doctor, Example

**Patient: Patient, Example**

**DOB:** 8/8/2022  
**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

No detectable increase in stimulated granulocyte dihydrorhodamine fluorescence, suggests chronic granulomatous disease or, less commonly, autosomal recessive chronic granulomatous disease. Suggest performing Neutrophil Oxidative Burst Assay on mother to distinguish between X-linked and autosomal recessive CGD. Recommend repeat testing or molecular testing on patient for confirmation.

██████████  
6/27/23

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).

This test requires the submission of a client control sample to determine whether abnormal results observed in the patient sample are due to artifacts of specimen collection, transport, and/or handling, or patient condition. Abnormal patient results in the absence of a client submitted control sample should be correlated clinically and interpreted with caution.

This test was developed and its performance characteristics determined by ARUP Laboratories. It has not been cleared or approved by the US Food and Drug Administration. This test was performed in a CLIA certified laboratory and is intended for clinical purposes.

EER Neutrophil Oxidative Burst

See Note

Authorized individuals can access the ARUP Enhanced Report using the following link:

██

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

Unless otherwise indicated, testing performed at:

VERIFIED/REPORTED DATES				
Procedure	Accession	Collected	Received	Verified/Reported
Neutrophil Oxidative Burst	23-178-401813	00/00/0000 00:00	00/00/0000 00:00	00/00/0000 00:00
EER Neutrophil Oxidative Burst	23-178-401813	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**

Unless otherwise indicated, testing performed at:

ARUP LABORATORIES | 800-522-2787 | aruplab.com  
500 Chipeta Way, Salt Lake City, UT 84108-1221  
Jonathan R. Genzen, MD, PhD, Laboratory Director

Patient: Patient, Example  
ARUP Accession: 23-178-401813  
Patient Identifiers: 01234567890ABCD, 012345  
Visit Number (FIN): 01234567890ABCD  
Page 2 of 2 | Printed: 7/10/2023 8:05:33 AM  
4848