

Patient: [REDACTED]
 DOB: [REDACTED] Age: 15 Gender: M
 Patient Identifiers: [REDACTED]
 Visit Number (FIN): [REDACTED]

Client: [REDACTED]
 Physician: [REDACTED]

ARUP Test Code: 0096657
 Collection Date: 09/27/2018
 Received in lab: 09/28/2018
 Completion Date: 10/01/2018



Activated Granulocyte Fluorescence Stimulation Index: [REDACTED]
 Sub-Activated Granulocyte Fluorescence Stimulation Index: **1**

Activated Granulocyte Fluorescence Stimulation Index: **107**
 Sub-Activated Granulocyte Fluorescence Stimulation Index: **11**

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 2006356).

Interpretive Information

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



Patient: [REDACTED]
 ARUP Accession: 18-270-121178