ARUP LABORATORIES

800-522-2787 | aruplab.com
500 Chipeta Way, Salt Lake City, UT 84108-1221
Jonathan R. Genzen, MD, PhD, Chief Medical Officer

Patient Report | **FINAL**

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

Physician: Doctor, Example

Patient: Patient, Example

DOB	Unknown
Gender:	Unknown
Patient Identifiers:	01234567890ABCD, 012345
Visit Number (FIN):	01234567890ABCD
Collection Date:	00/00/0000 00:00

Thiopurine Metabolites in Red Blood Cells

ARUP test code 3016503

6-Thioguanine RBC

See Note pmol/8x10(8)RBC

(Ref Interval: 235-450)

The result for 6-thioguanine is below the limit of
quantification for this assay and cannot be normalized to RBC

INTERPRETIVE INFORMATION: Thiopurine Metabolites in RBC

Thiopurine drug therapy is used to treat autoimmune diseases,
inflammatory bowel disease, acute lymphoblastic leukemia, and to
prevent rejection after solid organ transplant. Thiopurine drugs
are metabolized to active 6-thioguanine nucleotides, which are
regulated by thiopurine methyltransferase (TPMT) and nudix
hydrolase 15 (NUDT15). Certain variants in the TPMT and/or
NUDT15 genes can be associated with an accumulation of cytotoxic
metabolites that increase the risk of drug-related toxicity with
standard doses of thiopurine drugs. Thiopurine metabolites
concentrations are used to assess therapeutic and toxic
concentrations of thiopurine drugs.

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

6-Methylmercaptopurine RBC

See Note pmol/8x10(8)RBC

(Ref Interval: <=5700)

The result for 6-methylmercaptopurine is below the limit of
quantification for this assay and cannot be normalized to RBC

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

Unless otherwise indicated, testing performed at:

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Jonathan R. Genzen, MD, PhD, Laboratory Director

Patient: Patient, Example
ARUP Accession: 24-239-114626
Patient Identifiers: 01234567890ABCD, 012345
Visit Number (FIN): 01234567890ABCD
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Patient Report | **FINAL**

VERIFIED/REPORTED DATES

Procedure	Accession	Collected	Received	Verified/Reported
6-Thioguanine RBC	24-239-114626	00/00/0000 00:00	00/00/0000 00:00	00/00/0000 00:00
6-Methylmercaptopurine RBC	24-239-114626	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:

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Patient: Patient, Example
ARUP Accession: 24-239-114626
Patient Identifiers: 01234567890ABCD, 012345
Visit Number (FIN): 01234567890ABCD
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