

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

Physician: Doctor, Example

**Patient: Patient, Example**

**DOB:** 3/12/1971  
**Gender:** Female  
**Patient Identifiers:** 01234567890ABCD, 012345  
**Visit Number (FIN):** 01234567890ABCD  
**Collection Date:** 00/00/0000 00:00

**Nicotine and Metabolites, Urine, Quantitative**

ARUP test code 0092356

3-OH-Cotinine, Urn, Quant <50 ng/mL

Anabasine, Urn, Quant <5 ng/mL

Cotinine, Urn, Quant <15 ng/mL

Nicotine, Urn, Quant <15 ng/mL

INTERPRETIVE INFORMATION: Nicotine and Metabolites, Urine, Quantitative

Methodology: Quantitative Liquid Chromatography-Tandem Mass Spectrometry

Positive cutoff:  
Nicotine 15 ng/mL  
Cotinine 15 ng/mL  
3-OH-Cotinine 50 ng/mL  
Anabasine 5 ng/mL

For medical purposes only; not valid for forensic use.

This test is designed to evaluate recent use of nicotine-containing products. Passive and active exposure cannot be discriminated definitively, although a cutoff of 100 ng/mL cotinine is frequently used for surgery qualification purposes. For smoking cessation programs or compliance testing, the absence of expected drug(s) and/or drug metabolite(s) may indicate non-compliance, inappropriate timing of specimen collection relative to drug administration, poor drug absorption, diluted/adulterated urine, or limitations of testing. The concentration value must be greater than or equal to the cutoff to be reported as positive. Anabasine is included as a biomarker of tobacco use, versus nicotine replacement. Interpretive questions should be directed to the laboratory.

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.

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

Unless otherwise indicated, testing performed at:

VERIFIED/REPORTED DATES

Procedure	Accession	Collected	Received	Verified/Reported
3-OH-Cotinine, Urn, Quant	23-084-104885	00/00/0000 00:00	00/00/0000 00:00	00/00/0000 00:00
Anabasine, Urn, Quant	23-084-104885	00/00/0000 00:00	00/00/0000 00:00	00/00/0000 00:00
Cotinine, Urn, Quant	23-084-104885	00/00/0000 00:00	00/00/0000 00:00	00/00/0000 00:00
Nicotine, Urn, Quant	23-084-104885	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: 23-084-104885  
Patient Identifiers: 01234567890ABCD, 012345  
Visit Number (FIN): 01234567890ABCD  
Page 2 of 2 | Printed: 3/30/2023 4:26:56 PM  
4848