
Lab Dept: Chemistry

Test Name: NICOTINE AND COTININE CONFIRMATION,
URINE

General Information

Lab Order Codes: NICC

Synonyms: N/A

CPT Codes: 80323 – Alkaloids, not otherwise specified
OR
G0480 – Drug, test, definitive

Test Includes: Nicotine, Cotinine

Logistics

Test Indications: Stimulant; Alkaloid monitoring

Lab Testing Sections: Chemistry - Sendouts

Referred to: MedTox Laboratories (Test# 8585)

Phone Numbers: MIN Lab: 612-813-6280

STP Lab: 651-220-6550

Test Availability: Daily, 24 hours

Turnaround Time: 1 – 2 days

Special Instructions: N/A

Specimen

Specimen Type: Urine

Container: Urine Cup

Draw Volume: 10 mL urine

Processed Volume: 10 mL (Minimum 0.7 mL) urine

Note: Submission of the minimum volume results in an elevated reporting limit and inability to repeat analysis.

Collection:	Random or spot urine collection
Special Processing:	Lab Staff: Mix urine well and remove aliquot into a screw-capped round bottom plastic vial. Store and ship at refrigerated temperatures. Forward promptly.
Patient Preparation:	None
Sample Rejection:	Mislabeled or unlabeled specimens

Interpretive

Reference Range:	A combined total of urine nicotine and cotinine (nicotine metabolite) Concentrations greater than 200 ng/mL indicates active use of a nicotine- containing product (tobacco or smoking cessation product). Urine concentrations less than 200 ng/mL could be consistent with passive exposure to tobacco smoke.
Critical Values:	N/A
Limitations:	N/A
Methodology:	Immunoassay, Liquid Chromatography/Tandem Mass Spectrometry (LC/MS/MS)
References:	MedTox Laboratories Web Page www.medtox.com (June 2013)
Updates:	3/24/2015: MedTox order code update, previously listed s 8284. 2/1/2016: CPT update.