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**Lab Dept:** Chemistry

**Test Name:** NICOTINE AND COTININE CONFIRMATION,  
URINE

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***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

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***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

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***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.

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

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### ***Interpretive***

<b>Reference Range:</b>	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.
<b>Critical Values:</b>	N/A
<b>Limitations:</b>	N/A
<b>Methodology:</b>	Immunoassay, Liquid Chromatography/Tandem Mass Spectrometry (LC/MS/MS)
<b>References:</b>	MedTox Laboratories Web Page <a href="http://www.medtox.com">www.medtox.com</a> (June 2013)
<b>Updates:</b>	3/24/2015: MedTox order code update, previously listed s 8284. 2/1/2016: CPT update.