Buprenorphine and Metabolites, Urine, Quantitative
ARUP test code 2010092

Buprenorphine Gluc, Urn, Quant 11 ng/mL
Consistent with use of a buprenorphine-containing drug. Glucuronide concentrations are semi-quantitative.

Buprenorphine, Urn, Quant <2 ng/mL
INTERPRETIVE INFORMATION: Buprenorphine and Metabolites, Urine, Quantitative

Methodology: Quantitative Liquid Chromatography-Tandem Mass Spectrometry

Positive cutoff:
Buprenorphine 2 ng/mL
Norbuprenorphine 2 ng/mL
Buprenorphine glucuronide 5 ng/mL
Norbuprenorphine glucuronide 3 ng/mL
Naloxone 100 ng/mL

For medical purposes only; not valid for forensic use.

The presence of metabolite(s) without parent drug is common and may indicate use of parent drug during the prior week. Naloxone is included to detect addition of a naloxone-containing drug directly into the urine.

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. 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.

Naloxone, Urn, Quant <100 ng/mL
Norbuprenorphine Gluc, Urn, Quant 92 ng/mL

Norbuprenorphine, Urn, Quant 65 ng/mL

<table>
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<tr>
<th>Procedure</th>
<th>Accession</th>
<th>Collected</th>
<th>Received</th>
<th>Verified/Reported</th>
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H=High, L=Low, *=Abnormal, C=Critical