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# Pain Management Patient Monitoring



testing at ARUP Laboratories



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keyword: drug-panel

*A nonprofit enterprise of the University of  
Utah and its Department of Pathology*

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ARUP's unique approach to pain management patient monitoring offers physicians multiple choices.

### ARUP Offers Traditional Quantitative Results with Screen and Reflex Panel

In select situations, a quantitative result can assist physicians in the monitoring or treatment of their patients. As a complement to our qualitative mass spectrometry panels, ARUP offers physicians an immunoassay with auto reflex to LC/MS/MS quantitative results.

The extended Pain Management Panel, Screen with Reflex to Quantitation (2012312) was designed to meet the granularity requirements of monitoring pain management patients while being mindful of the cost to both the patient and the health system.

If a confirmation is needed, ARUP will automatically reflex to LC/MS/MS methodology on any of the drug classes. Our three panels complement pain management testing requirements while helping reduce patient out-of-pocket expenses.

### Resolving Unanswered Questions

Immunoassay screens and point-of-care cups may report opiates as a class but not as individual drugs, leaving certain questions unanswered: What was positive? What was tested? Benzodiazepines, for example, tend to be a source of false negatives, as they are poorly sensitive to the metabolite of clonazepam. ARUP's qualitative mass spectrometry panels use advanced technologies, reducing unexpected or ambiguous results and the need for costly confirmation testing.

### Features and Benefits

- Comprehensive, highly-specific results for over 35 drugs and metabolites where immunoassays are not adequate
- Significant decrease in time and testing expenses
- Reduced need for most confirmation testing
- Available with interpretation
- Single-drug confirmations also available
- Performed 7 days per week

### Drugs Reported in the Qualitative Mass Spectrometry Urine Drug Panels (test codes 2007479, 2009288)

#### OPIATES/OPIOIDS

6-acetylmorphine (heroin metabolite)  
Buprenorphine  
Norbuprenorphine  
Codeine  
Fentanyl  
Norfentanyl  
Hydrocodone  
Norhydrocodone  
Hydromorphone  
Meperidine metabolite  
Methadone\*  
Morphine  
Oxycodone  
Noroxycodone  
Oxymorphone  
Noroxymorphone  
Propoxyphene\*  
Tapentadol  
Tapentadol-o-sulfate  
Tramadol\*

#### AMPHETAMINES

Amphetamine  
Methamphetamine  
MDMA—Ecstasy  
MDA  
MDEA—Eve  
Methylphenidate  
Phentermine

#### BENZODIAZEPINES

Alprazolam  
—Alpha-OH-alprazolam  
Clonazepam  
—7-aminoclonazepam  
Diazepam  
Nordiazepam  
Oxazepam  
Temazepam  
Lorazepam  
Midazolam  
Zolpidem

#### OTHER\*

Barbiturates  
Carisoprodol/meprobamate  
Cocaine metabolite  
Marijuana metabolite  
PCP  
Ethyl glucuronide  
Creatinine  
\*Analyzed by immunoassay or spectrophotometry

### Pain Management Drug Panel by Mass Spectrometry and Enzyme Immunoassay, Urine

|                        |   |
|------------------------|---|
| <b>test code</b>       | 2007479   |
| <b>method</b>          | Qualitative liquid chromatography/mass spectrometry/enzyme immunoassay/quantitative spectrophotometry |
| <b>turnaround time</b> | 1–3 days  |
| <b>CPT codes</b>       | 80307   |

### Pain Management Drug Screen with Interpretation by Mass Spectrometry and Enzyme Immunoassay, Urine

|                            |  |
|----------------------------|--|
| <b>test code</b>           | 2009288  |
| <b>with interpretation</b> | Patient medication information must be provided to receive interpretation.<br>To see a sample report, please visit: <a href="http://www.aruplab.com/testing/enhanced-reports">www.aruplab.com/testing/enhanced-reports</a> |
| <b>turnaround time</b>     | 1–4 days   |
| <b>CPT codes</b>           | 80307  |

### Pain Management Extended Drug Panel by Immunoassay with Reflex to LC/MS/MS Quantitative Confirmation, Urine

|                        |  |
|------------------------|--|
| <b>test code</b>       | 2012312  |
| <b>method</b>          | Qualitative Enzyme Multiplied Immunoassay and LC/MS/MS   |
| <b>turnaround time</b> | 1–8 days   |
| <b>CPT codes</b>       | 80307<br>if positive add appropriate CPT: 80324; 80359; 80345; 80346; 80348; 80369; 80353; 80321; 80354; 80362; 80358; 80349; 80361; 80365; 83992; 80367; 80368; 80372; 80373<br>(Alt code: if positive, add appropriate CPT code(s): G0480) |