



COLLEGE of AMERICAN  
PATHOLOGISTS

325 Waukegan Road, Northfield, Illinois 60093-2750  
800-323-4040 • cap.org

ORIGINAL EVALUATION

DMPM-A 2016 Drug Monitoring for Pain Management

INSTITUTION: Apollo Lab  
Dallas TX 75234

ATTENTION: Alonna Guerrero

CAP NUMBER: 9258105-01 Kit# 1

KIT INFORMATION: Kit ID: 28692779 Kit Mailed: 2/8/2016 Original Evaluation: 3/23/2016 Next Mailing Date: 8/8/2016

COPIED TO: CMS (45D2094591)

IMPORTANT NOTES: Quantitative results reflect the All Method Mean for grading.

LEGEND: Exception Reason Codes appearing in this evaluation:  
[26] = Educational challenge.

Reviewed By

Date

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**DMPM-A 2016 Drug Monitoring for Pain Management**

| Test Method  | Specimen | Your Result                         | Intended Response  | Your Grade |
|--|----------|-------------------------------------|--|------------|
| DMPM Qual<br>ENZYME IMM (EIA) (DRI)<br>CUT-OFF 300 | DMPM-01  | HYDROMORPHONE                       | AMPHETAMINE<br>METHAMPHETAMINE<br>AMPHETAMINE GROUP<br>BENZOYLECGONINE<br>COCAINE &/OR METABOL<br>DELTA-9-THC-COOH<br>CANNABINOIDS<br>HYDROCODONE<br>HYDROMORPHONE<br>OPIATE GROUP | Good       |
| ENZYME IMM (EIA) (DRI)<br>CUT-OFF 1000             | DMPM-01  | HYDROCODONE<br>AMPHETAMINE          |  | Good       |
| ENZYME IMM (EIA) (DRI)<br>CUT-OFF 50               | DMPM-01  | METHAMPHETAMINE<br>DELTA-9-THC-COOH |  | Good       |
| ENZYME IMM (EIA) (DRI)<br>CUT-OFF 300              | DMPM-01  | BENZOYLECGONINE                     |  | Good       |

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|---|----------|---|--|------------|
| DMPM Qual<br>ENZYME IMM (EIA) (DRI)<br>CUT-OFF 10 | DMPM-02  | BUPRENORPHINE                                   | BUPRENORPHINE<br>NORBUPRENORPHINE<br>BUPRENORPHINE &/OR MET<br>NORDIAZEPAM<br>OXAZEPAM<br>TEMAZEPAM<br>BENZODIAZEPINE GROUP<br>METHYLENEDIOXYMETHAMPH<br>AMPHETAMINE GROUP | Good       |
| ENZYME IMM (EIA) (DRI)<br>CUT-OFF 200             | DMPM-02  | NORBUPRENORPHINE<br>NORDIAZEPAM                 |  | Good       |
| ENZYME IMM (EIA) (DRI)<br>CUT-OFF 1000            | DMPM-02  | OXAZEPAM<br>TEMAZEPAM<br>METHYLENEDIOXYMETHAMPH |  | Good       |

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| Test Method  | Specimen | Your Result                     | Intended Response   | Your Grade |
|--|----------|---------------------------------|---|------------|
| DMPM Qual<br>ENZYME IMM (EIA) (DRI)<br>CUT-OFF 300 | DMPM-03  | MORPHINE                        | 6-ACETYLMORPHINE<br>HYDROCODONE<br>MORPHINE<br>NOROXYCODONE<br>OXYCODONE<br>OXYCODONE &/OR METABOL<br>OXYMORPHONE<br>OPIATE GROUP | Good       |
| ENZYME IMM (EIA) (DRI)<br>CUT-OFF 100              | DMPM-03  | HYDROCODONE<br>OXYCODONE        |   | Good       |
| ENZYME IMM (EIA) (DRI)<br>CUT-OFF 300              | DMPM-03  | OXYMORPHONE<br>6-ACETYLMORPHINE |   | Good       |

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| Test -- Unit Of Measure                   | Specimen | Your Result | Mean    | S.D.   | Labs | S.D.I | Limits of Acceptability |        | Your Grade |
|---|----------|-------------|---------|--------|------|-------|-------------------------|--------|------------|
| Methods                                   |          |             |         |        |      |       | Lower                   | Upper  |            |
| DMPM Quant                                |          |             |         |        |      |       |                         |        |            |
| HYDROMORPHONE<br>LC-MS/MS                 | DMPM-01  | 494.6 M     | 507.64  | 70.46  | 226  | -0.2  | 355.3                   | 660.0  | Acceptable |
| HYDROCODONE<br>LC-MS/MS                   |          | 1907.0 M    | 1851.95 | 261.21 | 192  | +0.2  | 1296.3                  | 2407.6 | Acceptable |
| AMPHETAMINE<br>LC-MS/MS                   |          | 250.9 M     | 259.87  | 46.48  | 205  | -0.2  | 166.9                   | 352.9  | Acceptable |
| METHAMPHETAMINE<br>LC-MS/MS               |          | 2924.8 M    | 2796.14 | 463.19 | 175  | +0.3  | 1869.7                  | 3722.6 | Acceptable |
| DELTA-9-THC-COOH<br>LC-MS/MS              |          | 145.8 M     | 103.49  | 25.10  | 175  | +1.7  | 53.2                    | 153.8  | Acceptable |
| BENZOYLECGONINE<br>LC-MS/MS               |          | 1339.2 M    | 1377.57 | 242.31 | 185  | -0.2  | 892.9                   | 1862.2 | Acceptable |
| DMPM Quant                                |          |             |         |        |      |       |                         |        |            |
| BUPRENORPHINE<br>LC-MS/MS                 | DMPM-02  | 36.9 M      | 46.07   | 12.49  | 182  | -0.7  | 21.0                    | 71.1   | Acceptable |
| NORBUPRENORPHINE<br>LC-MS/MS              |          | 977.8 M     | 964.58  | 249.56 | 169  | +0.1  | 465.4                   | 1463.8 | Acceptable |
| NORDIAZEPAM<br>LC-MS/MS                   |          | 109.2 M     | 94.10   | 13.59  | 205  | +1.1  | 65.8                    | 122.4  | Acceptable |
| OXAZEPAM<br>LC-MS/MS                      |          | 1495.4 M    | 1404.88 | 273.28 | 169  | +0.3  | 858.3                   | 1951.5 | Acceptable |
| TEMAZEPAM<br>LC-MS/MS                     |          | 301.5 M     | 293.34  | 43.63  | 207  | +0.2  | 205.3                   | 381.4  | Acceptable |
| METHYLENEDIOXYMETHAMPHETAMINE<br>LC-MS/MS |          | 1536.3 M    | 1362.11 | 280.78 | 179  | +0.6  | 800.5                   | 1923.7 | Acceptable |

M = Based on method group statistics

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| Test -- Unit Of Measure      | Specimen | Your Result         |                   | Evaluation Statistics |      |       | Limits of Acceptability |        | Your Grade |
|------------------------------|----------|---------------------|-------------------|-----------------------|------|-------|-------------------------|--------|------------|
| Methods                      |          |                     | Mean              | S.D.                  | Labs | S.D.I | Lower                   | Upper  |            |
| DMPM Quant                   |          |                     |                   |                       |      |       |                         |        |            |
| MORPHINE<br>LC-MS/MS         | DMPM-03  | 3875.3 M            | 4686.49           | 731.20                | 171  | -1.1  | 3224.0                  | 6148.9 | Acceptable |
| HYDROCODONE<br>LC-MS/MS      |          | 2908.0 M            | 2746.18           | 557.99                | 184  | +0.3  | 1630.1                  | 3862.2 | Acceptable |
| OXYCODONE<br>LC-MS/MS        |          | 518.9 M             | 510.02            | 77.03                 | 227  | +0.1  | 355.9                   | 664.1  | Acceptable |
| OXYMORPHONE<br>LC-MS/MS      |          | 537.7 M             | 529.88            | 99.14                 | 220  | +0.1  | 331.5                   | 728.2  | Acceptable |
| 6-ACETYLMORPHINE<br>LC-MS/MS |          | 86.6 M              | 103.96            | 23.05                 | 212  | -0.8  | 57.8                    | 150.1  | Acceptable |
| Test Method                  | Specimen | Your Result         | Intended Response |                       |      |       |                         |        | Your Grade |
| Clinical Study               | DMPM-04  | INCONSISTENT W/MEDS |                   |                       |      |       |                         |        | [26]       |

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