

## Pain Panel Mix-41 in Human Urine on Luna 3u, PFP(2), 50x3 by LC-MS/MS

**Column:** Luna® 3 µm PFP(2) 100 Å, LC Column 50 x 3 mm, Ea

**Dimensions:** 50 x 3 mm ID

**Order No:** 00B-4447-Y0

**Elution Type:** Gradient

**Eluent A:** 10 mM Ammonium formate

**Eluent B:** Methanol

| Gradient Profile: | Step No. | Time (min) | Pct A | Pct B |
|-------------------|----------|------------|-------|-------|
|                   | 1        | 0          | 95    | 5     |
|                   | 2        | 5.5        | 5     | 95    |
|                   | 3        | 7          | 5     | 95    |
|                   | 4        | 7.1        | 95    | 5     |
|                   | 5        | 9          | 95    | 5     |

**Flow Rate:** 500 µL/min

**Col. Temp.:** 40 °C

**Detection:** Mass Spectrometer (MS) @ amu (ambient)

**Detector Info:** <a target="\_blank"

href="https://sciex.com/products/mass-spectrometers?utm\_campaign=2019%20application%20search&utm\_source=phenomenex&utm\_medium=referral">SCIEX<

SecurityGuard™ Guard Cartridge System extends column lifetime.

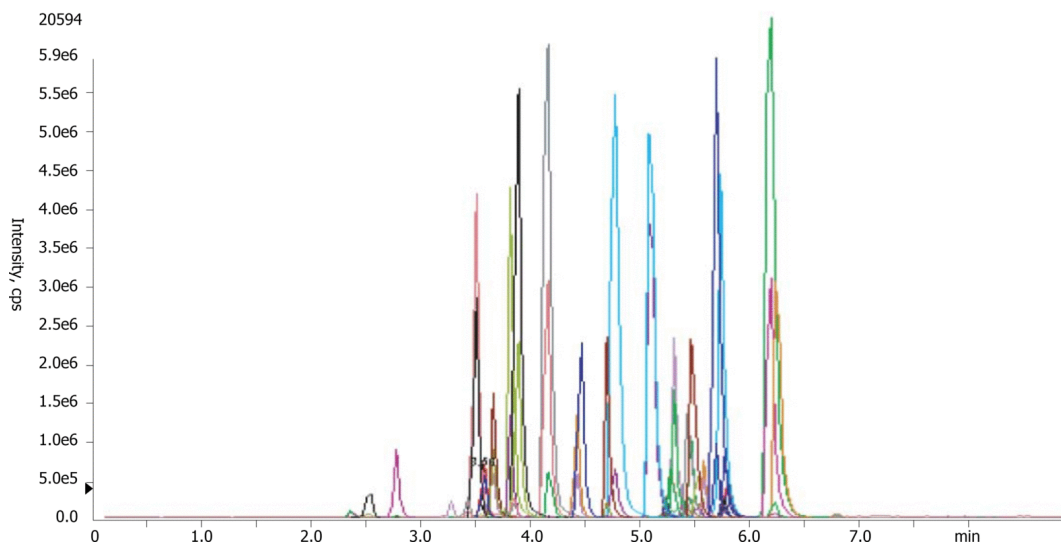
**Analyst Note:**

- SecurityGuard Cartridges, PFP 4 x 2.0mm ID, 10/Pk Part No.: AJ0-8326

- Holder Part No.: KJ0-4282



Products used in this application:



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### ANALYTES:

- |           |                         |           |               |
|-----------|-------------------------|-----------|---------------|
| <b>1</b>  | Morphine                | <b>41</b> | Buprenorphine |
| <b>2</b>  | Oxymorphone             |           |               |
| <b>3</b>  | Hydromorphone           |           |               |
| <b>4</b>  | Codeine                 |           |               |
| <b>5</b>  | Oxycodone               |           |               |
| <b>6</b>  | Amphetamine             |           |               |
| <b>7</b>  | Naltrexone              |           |               |
| <b>8</b>  | 6-MAM                   |           |               |
| <b>9</b>  | Hydrocodone             |           |               |
| <b>10</b> | Methamphetamine         |           |               |
| <b>11</b> | MDA                     |           |               |
| <b>12</b> | Benzoylecgonine         |           |               |
| <b>13</b> | Naloxone                |           |               |
| <b>14</b> | MDMA                    |           |               |
| <b>15</b> | MDEA                    |           |               |
| <b>16</b> | Norfentanyl             |           |               |
| <b>17</b> | Meprobamate             |           |               |
| <b>18</b> | Tramadol                |           |               |
| <b>19</b> | Normeperidine           |           |               |
| <b>20</b> | Meperidine              |           |               |
| <b>21</b> | PCP                     |           |               |
| <b>22</b> | alpha-Hydroxyalprazolam |           |               |
| <b>23</b> | Lorazepam               |           |               |
| <b>24</b> | Norbuprenorphine        |           |               |
| <b>25</b> | Oxazepam                |           |               |
| <b>26</b> | Carisoprodol            |           |               |
| <b>27</b> | Clonazepam              |           |               |
| <b>28</b> | EDDP                    |           |               |
| <b>29</b> | Alprazolam              |           |               |
| <b>30</b> | Temazepam               |           |               |
| <b>31</b> | Flunitrazepam           |           |               |
| <b>32</b> | Nordiazepam             |           |               |
| <b>33</b> | Norpropoxyphene         |           |               |
| <b>34</b> | Flurazepam              |           |               |
| <b>35</b> | Fentanyl                |           |               |
| <b>36</b> | Midazolam               |           |               |
| <b>37</b> | Diazepam                |           |               |
| <b>38</b> | Methadone               |           |               |
| <b>39</b> | Sufentanil              |           |               |
| <b>40</b> | Propoxyphene            |           |               |

