

# HPLC Application

ID No.: 23384

## Fast Pain Panel ESI+

**Column:** Kinetex<sup>®</sup> 2.6  $\mu$ m Biphenyl 100 Å LC Column 30 x 2.1 mm, Ea

**Dimensions:** 30 x 2.1 mm ID

**Order No:** 00A-4622-AN

**Elution Type:** Gradient

**Eluent A:** 10mM ammonium formate in water

**Eluent B:** 0.1% formic acid in methanol

Gradient Profile:	Step No.	Time (min)	Pct A	Pct B
	1	0	95	5
	2	1.2	70	30
	3	1.3	45	55
	4	2.3	30	70
	5	2.4	5	95
	6	2.7	5	95
	7	2.72	95	5
	8	4	95	5

**Flow Rate:** 1 mL/min

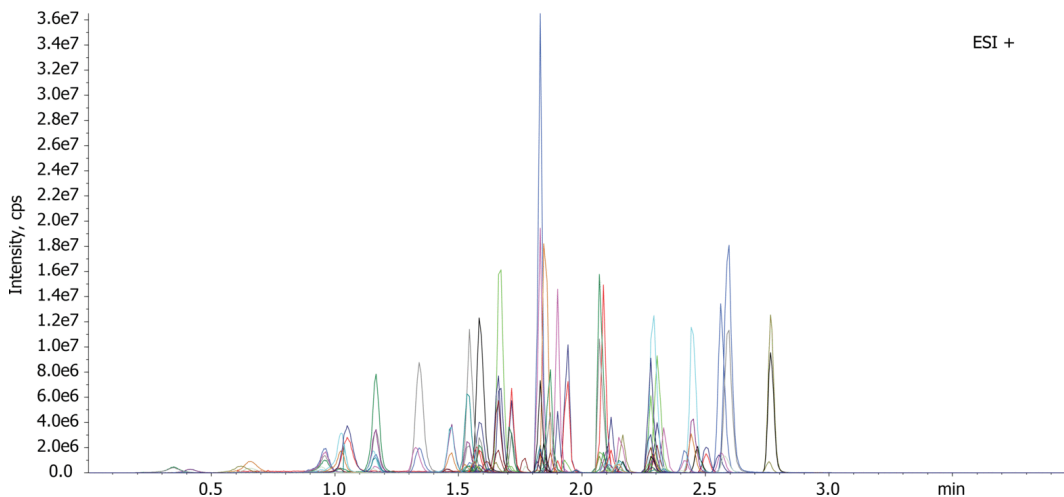
**Col. Temp.:** 35 °C

**Detection:** Tandem Mass Spec (MS-MS) @ (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</a>](#)



Products used in this application:



## Fast Pain Panel ESI+

### ANALYTES:

<b>1</b> 6-MAM	<b>41</b> Pregabalin	<b>81</b> O-Desmethyl-cis-tramadol-D6
<b>2</b> 7-Aminoclonazepam	<b>42</b> Sertraline	<b>82</b> Oxycodone-D3
<b>3</b> alpha-hydroxyalprazolam	<b>43</b> Temazepam	<b>83</b> Oxymorphone-D3
<b>4</b> Alprazolam	<b>44</b> Tramadol	<b>84</b> Phencyclidine-D5
<b>5</b> Amitriptyline	<b>45</b> Tapentadol	<b>85</b> Pregabalin-D6
<b>6</b> Amphetamine	<b>46</b> Zolpidem	<b>86</b> Tapentadol-D3
<b>7</b> Benzoylcegonine	<b>47</b> Zolpidem-4-carboxylic Acid	<b>87</b> Temazepam-D5
<b>8</b> Buprenorphine	<b>48</b> 6-MAM-D3	<b>88</b> Tramadol-13C-D3
<b>9</b> Carisoprodol	<b>49</b> 7-Aminoclonazepam-D4	<b>89</b> Zolpidem-D7
<b>10</b> Citalopram	<b>50</b> Alpha-hydroxyalprazolam-D5	
<b>11</b> Codeine	<b>51</b> Alprazolam-D5	
<b>12</b> Cotinine	<b>52</b> Amitriptyline-D3	
<b>13</b> Diazepam	<b>53</b> Amphetamine-D5	
<b>14</b> EDDP	<b>54</b> Benzoylcegonine-D3	
<b>15</b> Fentanyl	<b>55</b> Buprenorphine-D4	
<b>16</b> Fluoxetine	<b>56</b> Carisoprodol-D7	
<b>17</b> Gabapentin	<b>57</b> Citalopram-D6	
<b>18</b> Hydrocodone	<b>58</b> Codeine-D3	
<b>19</b> Hydromorphone	<b>59</b> Cotinine-D3	
<b>20</b> Imipramine	<b>60</b> Diazepam-D5	
<b>21</b> Lorazepam	<b>61</b> EDDP-D3	
<b>22</b> MDMA	<b>62</b> Fentanyl-D5	
<b>23</b> Meperidine	<b>63</b> Gabapentin-D10	
<b>24</b> Meprobamate	<b>64</b> Hydrocodone-D3	
<b>25</b> Methadone	<b>65</b> Hydromorphone-D3	
<b>26</b> Methamphetamine	<b>66</b> Imipramine-D3	
<b>27</b> Methylphenidate	<b>67</b> Lorazepam-D4	
<b>28</b> Morphine	<b>68</b> MDMA-D5	
<b>29</b> Norbuprenorphine	<b>69</b> Methylphenidate-D9	
<b>30</b> Nordiazepam	<b>70</b> Meperidine-D4	
<b>31</b> Norfentanyl	<b>71</b> Meprobamate-D7	
<b>32</b> Norhydrocodone	<b>72</b> Methadone-D3	
<b>33</b> Noroxycodone	<b>73</b> Methamphetamine-D5	
<b>34</b> Normorphine	<b>74</b> Morphine-D3	
<b>35</b> Nortriptyline	<b>75</b> Norbuprenorphine-D3	
<b>36</b> O-Desmethyltramadol	<b>76</b> Nordiazepam-d5	
<b>37</b> Oxycodone	<b>77</b> Norfentanyl-D5	
<b>38</b> Oxymorphone	<b>78</b> Norhydrocodone-D3	
<b>39</b> Paroxetine	<b>79</b> Noroxycodone-D3	
<b>40</b> PCP	<b>80</b> Nortriptyline-D3	

