

# HPLC Application

ID No.: 22161

## Antibiotics by LCMS using Kinetex 2.6u Biphenyl 50x2.1mm

**Column:** Kinetex® 2.6 µm Biphenyl 100 Å, LC Column 50 x 2.1 mm, Ea

**Dimensions:** 50 x 2.1 mm ID

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

**Elution Type:** Gradient

**Eluent A:** Water with 0.1% formic acid

**Eluent B:** Methanol with 0.1% formic acid

Gradient Profile:	Step No.	Time (min)	Pct A	Pct B
	1	0	100	0
	2	5	0	100
	3	7	0	100

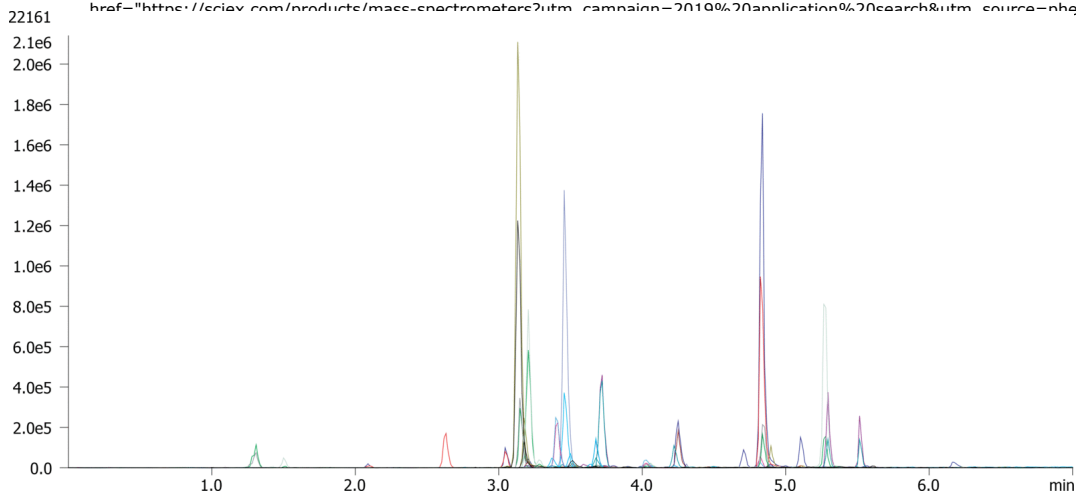
**Flow Rate:** 0.5 mL/min

**Col. Temp.:** ambient

**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:



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### ANALYTES:

- |           |                      |           |           |
|-----------|----------------------|-----------|-----------|
| <b>1</b>  | Sulfaguanidine       | <b>41</b> | Rifaximin |
| <b>2</b>  | Florfenicol          |           |           |
| <b>3</b>  | Amoxicillin          |           |           |
| <b>4</b>  | Lincomycin           |           |           |
| <b>5</b>  | Sulfadiazine         |           |           |
| <b>6</b>  | Thiabendazole        |           |           |
| <b>7</b>  | Trimethoprim         |           |           |
| <b>8</b>  | Sulfathiazole        |           |           |
| <b>9</b>  | Sulfapyridine        |           |           |
| <b>10</b> | Cefapirin            |           |           |
| <b>11</b> | Tetracycline         |           |           |
| <b>12</b> | Sulfamerazine        |           |           |
| <b>13</b> | Clenbuterol          |           |           |
| <b>14</b> | Marbofloxacin        |           |           |
| <b>15</b> | Epichlortetracycline |           |           |
| <b>16</b> | Danofloxacin         |           |           |
| <b>17</b> | Sulfamethoxazole     |           |           |
| <b>18</b> | Ciprofloxacin        |           |           |
| <b>19</b> | Cefalexin            |           |           |
| <b>20</b> | Sulfamethazine       |           |           |
| <b>21</b> | Neospiramycin        |           |           |
| <b>22</b> | Enrofloxacin         |           |           |
| <b>23</b> | Spiramycin           |           |           |
| <b>24</b> | Chlortetracycline    |           |           |
| <b>25</b> | Difloxacin           |           |           |
| <b>26</b> | Cefazolin            |           |           |
| <b>27</b> | Doxycycline          |           |           |
| <b>28</b> | Sulfaquinoxaline     |           |           |
| <b>29</b> | Cefoperazone         |           |           |
| <b>30</b> | Tiamulin             |           |           |
| <b>31</b> | Dexamethasone        |           |           |
| <b>32</b> | Fenbendazole         |           |           |
| <b>33</b> | Oxacillin            |           |           |
| <b>34</b> | Nafcillin            |           |           |
| <b>35</b> | Cloxacillin          |           |           |
| <b>36</b> | Valnemulin           |           |           |
| <b>37</b> | Dicloxacillin        |           |           |
| <b>38</b> | Flumequine           |           |           |
| <b>39</b> | Bute                 |           |           |
| <b>40</b> | Phoxim               |           |           |

