TriSensor is a rapid assay in dipstick format detecting the contamination of milk samples by Betalactams, Tetracyclines and Sulfonamides molecules.

The test can be used in-situ for daily controls or in laboratories for the analysis of series of milk samples. This test does not require any sample processing, cleaning or extraction.

**BENEFITS**

- **MUTLIPLLE**
  Detection of β-lactams, Tetracyclines and Sulfonamides.

- **RAPID**
  Results in 6 minutes.

- **SENSITIVE**
  EU MRLS.

- **RELIABLE AND ROBUST**

- **USER-FRIENDLY**
  Easily performed on site or in lab.

- **COST-EFFECTIVE**

**HOW TO USE**

1. *HEATSENSOR DUO / OCTO*
2. *HEATSENSOR DUO / OCTO*
3. *HEATSENSOR DUO / OCTO*
4. *HEATSENSOR DUO / OCTO*
5. INCUBATE 6 MINUTES
**SENSITIVITY**

<table>
<thead>
<tr>
<th>β-LACTAMS</th>
<th>LOD (PPB)</th>
<th>SULFONAMIDES</th>
<th>LOD (PPB)</th>
<th>TETRACYCLINES</th>
<th>LOD (PPB)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Penicillin G</td>
<td>2.5-3.5</td>
<td>Sulfadiazine</td>
<td>8-10</td>
<td>Tetracycline (*)</td>
<td>80-100</td>
</tr>
<tr>
<td>Ampicillin</td>
<td>3-4</td>
<td>Sulfapyridine</td>
<td>0.5-1</td>
<td>Oxytetracycline</td>
<td>60-70</td>
</tr>
<tr>
<td>Amoxicillin</td>
<td>3-4</td>
<td>Sulfathiazole</td>
<td>7.5-8.5</td>
<td>Chlorotetracycline</td>
<td>50-60</td>
</tr>
<tr>
<td>Oxacillin</td>
<td>13-15</td>
<td>Sulfamethoxazole</td>
<td>320-360</td>
<td>Doxycycline</td>
<td>20-30</td>
</tr>
<tr>
<td>Cloxacillin</td>
<td>7-9</td>
<td>Sulfamethazine</td>
<td>1-2</td>
<td>(*) Other Tetracyclines compounds are detected at a lower concentration than Tetracycline: Minocycline, Dermocycline, Sancycline, Amicycline, Meclocycline.</td>
<td></td>
</tr>
<tr>
<td>Dicloxacillin</td>
<td>4-6</td>
<td>Sulfmethoxypyridazine</td>
<td>2-3</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Nafcillin</td>
<td>50-70</td>
<td>Sulfadimethoxine</td>
<td>10-15</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Cefotiofur</td>
<td>8-12</td>
<td>Sulfacetamide</td>
<td>300-600</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Cefquinome</td>
<td>16-20</td>
<td>Sulfamerazine</td>
<td>2-3</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Cefazolin</td>
<td>15-19</td>
<td>Sulfamonomethoxine</td>
<td>8-12</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Cefapirin</td>
<td>4-6</td>
<td>Sulfadimethoxine</td>
<td>14-18</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Cefacetril</td>
<td>16-20</td>
<td>Sulfachloropyridazine</td>
<td>5-10</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Cefoperazone</td>
<td>3-4</td>
<td>Sulfaguanidine</td>
<td>15-25</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Cefalexin</td>
<td>700-800</td>
<td>Sulfamethizole</td>
<td>220-260</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Cefalonium</td>
<td>3-5</td>
<td>Sulfasalazine</td>
<td>250-350</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**RESULTS**

Visual interpretation of the result obtained by comparing the intensity of each test line with the control (CTRL) line.

- **CTRL**
- **T**
- **S**
- **ß**

- **FULL NEGATIVE**
- **POSITIVE BETALACTAMS**
- **POSITIVE SULFONAMIDES**
- **POSITIVE TETRACYCLINES**

An instrumental reading is also possible with the ReadSensor 2 device.

**PRODUCTS REFERENCES**

- **KIT035**
  - TRISENSOR MK BTS MRL - 96 PC

- **APP032**
  - HEATSENSOR DUO

- **APP052**
  - HEATSENSOR OCTO

- **APP088**
  - READSENSOR 2

**Reseller**

Liège Science Park
Rue Louis Plescia, 8
B-4102 Ougrée (Seraing)
BELGIUM

Phone +32 4 252 66 02
info@unisensor.be

www.unisensor.be