Chloramphenicol

EASI-EXTRACT® CHLORAMPHENICOL

Art. No. | P300 / P300B
---|---
Test Format | 10 wide format immunoaffinity columns (P300). 50 wide format immunoaffinity columns (P300B).
Sample Preparation | The columns contain a gel suspension of monoclonal antibody specific to the antibiotic of interest. The sample is diluted with buffer, vortexed (or placed on an orbital shaker), filtered and passed slowly through the immunoaffinity column. Any antibiotic which is present in the sample is retained by the antibody within the gel suspension. The column is washed to remove unbound material and the antibiotic is then released from the column following elution with solvent. The eluate is collected, evaporated and reconstituted prior to analysis by HPLC or LC-MS/MS.
Detection Limit | HPLC: 20 ng/ml of chloramphenicol. LC-MS/MS: 0.02 ng/ml of chloramphenicol.
Shelf life | 2 years at 2 - 8 °C (or 12 months at 21 - 25 °C).
Sensitivity | Low % CV, excellent recoveries, capacity and limit of detection exceeds the minimum residue performance limit when used in conjunction with LC-MS/MS.
Rapid | Clean up in 20 minutes prior to detection by HPLC or LC-MS/MS.
Robust | Can be stored at room temperature.
Reliable | Uses a specific monoclonal antibody to selectively isolate and concentrate chloramphenicol.
Adaptable | The columns are suitable for testing a wide range of commodities.
Extraction solvents | Methanol.

RIDA® Chloramphenicol column

Art. No. | R1508
---|---
Test Format | 50 immunoaffinity columns for single use
Sample Preparation | homogenization, centrifugation, clean-up with RIDA® Chloramphenicol columns, evaporation, reconstitution, analysis in RIDASCREEN® Chloramphenicol (Art. No. R1505) with subsequent analysis by RIDASCREEN® Chloramphenicol (Art. No. R1505):
Detection Limit | Limit of Detection: approx. 18 ng/kg (ppt) Limit of Quantification: approx. 30 ng/kg (ppt) Detection Capability cc5: approx. 100 ng/kg (ppt)
Shelf life | max. 2 years

RIDASCREEN® Chloramphenicol (Art. No. R1505):

- Limit of Detection: approx. 18 ng/kg (ppt)
- Limit of Quantification: approx. 30 ng/kg (ppt)
- Detection Capability cc5: approx. 100 ng/kg (ppt) (corresponding to the standard substance)
### RIDASCREEN® Chloramphenicol

<table>
<thead>
<tr>
<th>Art. No.</th>
<th>R1505</th>
</tr>
</thead>
<tbody>
<tr>
<td>Test Format</td>
<td>Microtiter plate with 96 wells (12 strips with 8 removable wells each)</td>
</tr>
<tr>
<td>Standard Range</td>
<td>0 ppt (zero standard), 25 ppt, 50 ppt, 100 ppt, 250 ppt, 750 ppt</td>
</tr>
<tr>
<td>Sample Preparation</td>
<td>Homogenization, extraction, centrifugation and reduction to dryness</td>
</tr>
<tr>
<td>Incubation Time</td>
<td>1 h 15 min</td>
</tr>
</tbody>
</table>
| Detection Limit | Milk: 5 ppt  
Milk (direct use): 25 ppt  
Milk powder: 25 ppt  
Honey (ethyl acetate extraction): 25 ppt  
Honey (immunoaffinity column): 18 ppt  
Shrimps, meat, fish meal: 6.25 ppt  
Egg: 25 ppt  
(corresponding to the standard substance) |
| Cross Reactivity | The specificity of the RIDASCREEN® Chloramphenicol test was established by analyzing the cross-reactivity to corresponding antibiotics in buffer system:  
Chloramphenicol: 100 %  
Chloramphenicol base: 12 %  
Thiamphenicol: < 0.1 % |

### RIDASCREEN®FAST Chloramphenicol

<table>
<thead>
<tr>
<th>Art. No.</th>
<th>R1506</th>
</tr>
</thead>
</table>
| Test Format | 1 uncoated microtiter plate with 96 wells for pre-incubation  
1 Chloramphenicol-coated microtiter plate with 96 wells for analysis  
(each microtiter plate consists of 12 strips with 8 removable wells each) |
| Standard Range | 0 ppt (zero standard), 50 ppt, 100 ppt, 250 ppt, 750ppt, 2250 ppt |
| Sample Preparation | Milk: direct use in the assay  
Milk powder: reconstitution |
| Incubation Time | 25 min |
| Detection Limit | Milk (direct use): 50 ppt  
Milk, obtained from reconstituted milk powder: 50 ppt  
(corresponding to the standard substance) |
| Cross Reactivity | The specificity of the RIDASCREEN®FAST Chloramphenicol test was established by analyzing the cross-reactivity to corresponding antibiotics in buffer system:  
Chloramphenicol: 100 %  
Chloramphenicol base: 12 %  
Thiamphenicol: < 0.1 % |
RIDA® Chloramphenicol Dotierlösung/Spiking Solution

<table>
<thead>
<tr>
<th>Art. No.</th>
<th>R1599</th>
</tr>
</thead>
</table>
| Test Format| Concentration: 50 ng/ml  
Volume: 1 ml |

For more Information about Product Please contact Chakmartin International Ltd.

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