



Technical bulletin

DSM Food Specialties B.V.

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Delvotest® Fast BL

www.dsm.com

Delvotest® Fast BL is a one-step receptor assay using lateral flow technology that enables the detection of β -Lactam residues of antibiotics in raw cow milk. Delvotest® Fast BL is therefore sensitive to all drug containing a β -lactam ring, including:

- Penams (penicillins) extended and narrow spectrum,
- Penams β -lactamase resistant and β -lactamase sensitive;
- Cephalosporines of 1st, 2nd, 3rd, 4th, and 5th generation.

The list below is not exhaustive and valid for Delvotest® Fast BL. The sensitivity of the test is given only for the most commonly used antibiotics.

| Antibiotic class | Antibiotic | S/TL (US) (ppb) | MRL (EU) (ppb) | (ppb) |
|------------------|-----------------------|-----------------|----------------|--------------------|
| | | | | CCB* |
| | | | | Level of detection |
| Penicillins | Amoxicillin | 10 | 4 | 4 |
| | Ampicillin | 10 | 4 | 3 |
| | Penicillin G | 5 | 4 | 3 |
| | Nafcillin | - | 30 | 72 |
| | Oxacillin | | 30 | 67 |
| | Cloxacillin | | 30 | 50 |
| Cephalosporines | Cefalexin | - | 100 | 12 |
| | Cefalonium | - | 20 | 4 |
| | Ceftiofur | 50 | 100 | 3 |
| | Desfuroylceftiofur | 50 | 100 | 5 |
| | Cefazolin | - | 50 | 4 |
| | Cefoperazone | - | 50 | 7 |
| | Cefquinome | - | 20 | 7 |
| | Desacetyl Cephapirine | 20 | 60 | 5 |
| | Cephapirin | 20 | 60 | 4 |

* CCB (detection capability) is the lowest concentration where substance can be detected 95% of the time.

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