

## MilkSafe™ FAST 3BTS

### Product Information

Version: 1 PI GLOB EN 01-27-2022

### Description

A one-step rapid detection assay for Beta-lactams, Tetracyclines and Sulfonamides in raw commingled cow milk, UHT or sterilized milk, full cream milk powder, thawed milk and goat milk, based on the colloidal gold immunochromatography technology.

Material No: 724225

Size 30 Tests

#### Contents:

- 30 bags incl. 30 disposable pipettes
- 1 pipette (200µL)
- 30 single pipette tips
- Positive control pack
- Product insert

### Storage and handling

2 - 8 °C / 36 - 46 °F

### Transport conditions

Transport under temperature conditions complying with the recommended storage temperature or at ambient temperature conditions (for up to 6 days at temperatures not exceeding 50°C / 122°F). After receiving the kit, store at recommended storage conditions.

### Application

#### Usage

Intended for detection of Beta-lactams, Tetracycline and Sulfonamides residues in raw commingled cow milk, UHT or sterilized milk, full cream milk powder, thawed milk and goat milk (referring to table 1). The test employs binding reagents linked to gold particles, and is performed in one single step. The test result is interpreted visually by colored indicators on the dipstick or by use of a reader.

#### Dosage

The sample volume to add to the test is 200 µL by use of the supplied disposable pipette.

#### Directions for Use

Before opening the bag with the cassette, it should be equilibrated to room temperature for at least 10 minutes. The recommended milk dosage is added to the cassette by use of disposable pipette. Place the cassette in a pre-heated incubator and incubate for 4 minutes at 40°C ± 2°C. No matter the interpretation method (i.e. visually or electronic reader), the interpretation should be performed no later than 2 minutes after the incubation has been completed.

If testing milk powder, please reconstitute the powder correctly and thoroughly (no clumps present) to original solids content and verify that final pH is 6.5-7.0, adjusting if necessary.

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Substance	MilkSafe™ 3BTS		MRL (EEC Regulation 37/2010)
	Sensitivity*	Interpretation	
Penicillin G	1-2	●	4
Ampicillin	2-4	●	4
Amoxicillin	2-4	●	4
Oxacillin	5-10	●	30
Cloxacillin	8-16	●	30
Dicloxacillin	4-8	●	30
Nafcillin	20-40	●	30
Ceftiofur	30-50	●	100
Desfuroyl ceftiofur	40-80	●	100
Cefquinome	10-20	●	20
Cefazolin	80-150	○	50
Cephapirin	10-20	●	60
Desacetyl cephalosporin	40-80	●	60
Cefacetrile	50-80	●	125
Cefoperazone	4-8	●	50
Cefalexin	-	○	100
Cefalonium	1-2	●	20
Tetracycline	50	●	100
Oxytetracycline	30	●	100
Chlortetracycline	50	●	100
Doxycycline	60	●	--
Sulfamethazine	8	●	100
Sulfapyridine	20-30	●	
Sulfaquinoxaline	15-30	●	
Sulfaphenazolum	15-30	●	
Sulfamethoxazole	80-100	●	
Sulfachloropyridazine	8-10	●	
Sulfadiazine	8-16	●	
Sulfadoxine	4-5	●	
Sulfamoxole	100-150	○	
Sulfamerazine	40-60	●	
Sulfamethoxy-pyridazine	8-10	●	
Sulfadimethoxine	30-50	●	
Sulfathiazole	2-4	●	
Sulfamethizole	5-10	●	
Sulfamonomethoxine	2-5	●	
Sulfapyrazole	2-4	●	
Sulfisoxazole	25-50	●	

Detection limits in ppb (µg/kg).

\*Tentative sensitivities. Final level of detection will be defined as part of external validation by ILVO.

● Detected at or below MRL; ○ Detected, but above MRL

**Technical support**

Chr. Hansen's Application and Product Development Laboratories and personnel are available if you need further information.

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### **Legislation**

The Maximum Residue Limits (MRL) presented in table 1 are based on the European Regulation No 37/2010 on pharmacologically active substances and their classification regarding maximum residue limits in foodstuffs of animal origin. Please be aware that the limits may differ across countries. National legislation should always be consulted.

### **Manufacturer**

Manufactured for Chr. Hansen A/S. MilkSafe™ is a trademark of Chr. Hansen A/S.

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