

Charm® Sulfonamide Test for Milk

The Charm Sulfonamide Test (SULFA) is used by farmers, veterinarians, truck drivers, milk receiving and milk testing laboratories around the globe. It is easy to use and detects the entire sulfonamide family.

Sulfonamides (sulfa drugs) are commonly used antibiotics on dairy farms to treat bacterial infections. Because of their toxicity and ability to cause allergic reactions in humans, sulfonamides are primarily used for non-lactating animals.

Meets Global Regulations

The Charm Sulfonamide test meets FDA safe levels and Canadian maximum residue limits (MRL), quickly detecting most sulfa drugs at or below 10 ppb. Milk dilution allows the Charm SULFA Test to meet the European 100 ppb MRL for total sulfonamides.

Speed, sensitivity and simplicity... all rolled into one test strip.

SULFA test at a glance

- ▶ Test Time: 8 minutes
- ▶ Rapid One Step Assay (ROSA®)
- ▶ 1 test strip detects entire sulfonamide family



**Charm Sulfonamide
8-Minute Test**

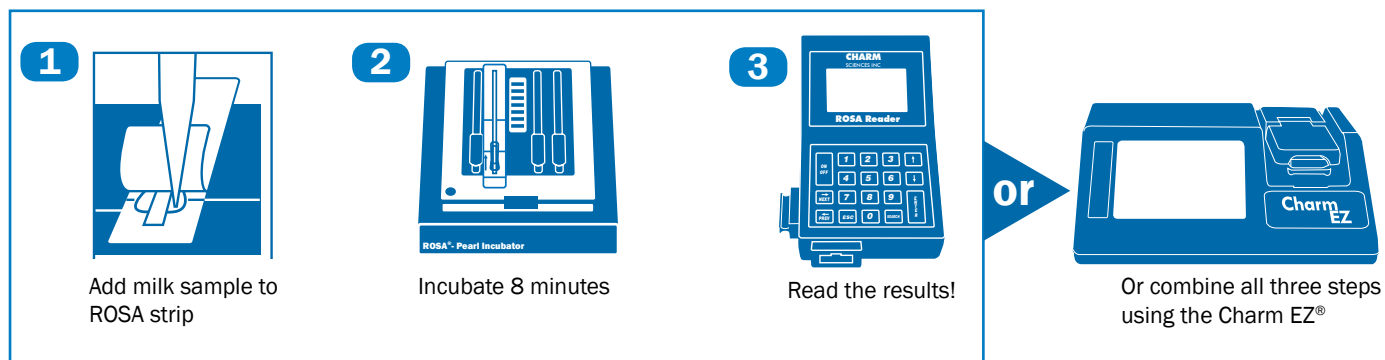
Sensitivity in Milk

Table 1. Sensitivity – Detection Ranges in Cow Milk at 0 to 7 °C				
Sulfa Drug	Detection Level (ppb)	US Safe Level / Tolerance (ppb)	Detection Level After Dilution (µg/kg)	EU MRL
Sulfacetamide	25	None	50-100	100 [†]
Sulfachlorpyridazine	3	10	10-20	100 [†]
Sulfadiazine	2	10	5-15	100 [†]
Sulfadimethoxine	1	10	2-5	100 [†]
Sulfadoxine	15	None	50-100	100 [†]
Sulfaethoxyipyridazine	25	None	100-150	100 [†]
Sulfamerazine	3	10	10-20	100 [†]
Sufamethazine (Sulfadimidine)	6	10	10-20	100 [†]
Sulfamethizole	1	10	1-3	100 [†]
Sulfamethoxazole	2	None	5-15	100 [†]
Sulfamethoxyipyridazine	20	None	50-100	100 [†]
Sulfapyridine	10	10	30-60	100 [†]
Sulfaquinoxaline	3	10	10-20	100 [†]
Sulfathiazole	1	10	1-3	100 [†]
Sulfisoxazole	15	None	50-100	100 [†]

*Parts per billion, µg/kg or µg/L

[†]EU MRL is 100 (µg/kg) total sulfonamides

Simple and fast test procedure



Charm Sciences, Inc.

659 Andover Street, Lawrence, MA 01843-1032, USA

Tel: +1.978.687.9200 | Fax: +1.978.687.9216 | Email: info@charm.com | www.charm.com

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