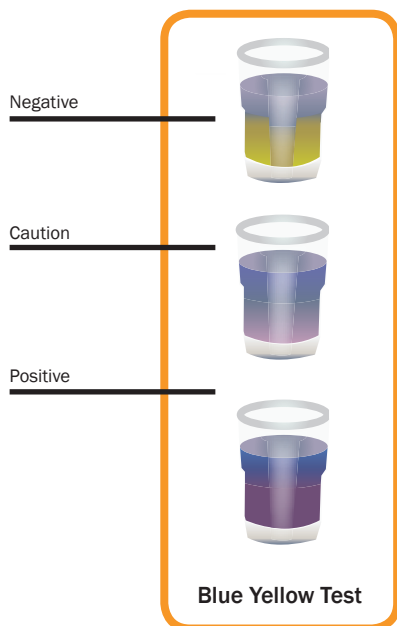


Charm Blue Yellow Test

for Antimicrobial Drugs in Milk

3
hours

Product Overview



The Charm® Blue Yellow II Test is a microbial inhibition assay, which detects inhibitors, such as antibiotics, in raw or ultra-pasteurized cow milk. Antibiotics are the most common inhibitors found in raw milk. The test consists of a single service well that contains pre-measured bacterial spores^A, media, and a pH indicator. Reagents are unit dosed and compartmentalized to ensure uniformity. This eliminates reagent transfer steps and prevents inadvertent contamination and reagent loss.

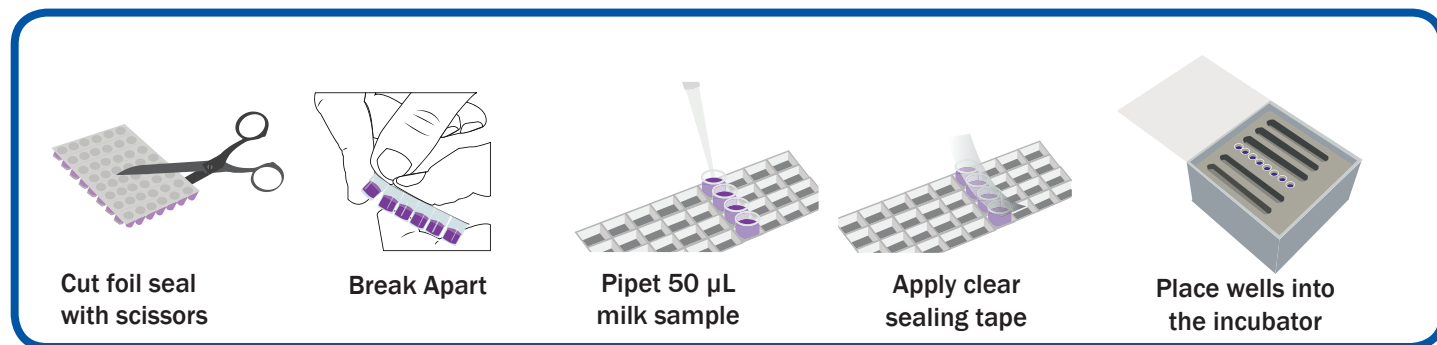
The Charm Blue Yellow II test has superior sensitivity to beta-lactams, sulfonamides, aminoglycosides, and especially tetracyclines. Breakthrough sensitivity to tetracyclines makes it the first inhibition test to closely match EU MRL levels.

^ABacillus stearothermophilus var. calidolactis

Charm Blue Yellow Test:

- ✓ Analyzes for a broad spectrum of antibiotics for the dairy industry
- ✓ Detects beta-lactams, tetracyclines, and other antimicrobial drugs near regulatory limits
- ✓ Features the most sensitive inhibition test for antimicrobial drugs in milk
- ✓ Delivers one-step testing – just add milk sample
- ✓ Provides large volume testing capabilities
- ✓ Supports optional air or waterbath incubation
- ✓ Allows for optional color scanner and software for numerical results

Simple Procedure



Sensitivity in Milk

Blue-Yellow II Sensitivity Levels					
Concentration of Antimicrobial Drugs Detected in Milk (µg/kg)					
Antimicrobial Drug ^B	Positive Concentration (µg/kg)	EU/CODEX MRL (µg/kg)	Antimicrobial Drug ^B	Positive Concentration (µg/kg)	EU/CODEX MRL (µg/kg)
Amoxicillin	2 to 3	4	Lincomycin	100 to 150	150
Ampicillin	2 to 3	4	Nafcillin	3 to 5	30
Cefacetrile	10 to 15	125	Neomycin	75 to 150	500
Cefalexin	60 to 100	100	Oxacillin	8 to 10	30
Cefalonium	10 to 15	20	Oxytetracycline	75 to 100	100
Cefazolin	6 to 10	50	Penicillin G	1 to 2	4
Cefoperazone	20 to 30	50	Pirlimycin	50 to 100	100
Cefquinome	40 to 60	20	Spiramycin	400 to 500	200
Ceftiofur & Metabolites ^C	50 to 100	100	Sulfadiazine	80 to 100	100
Cefuroxime	20 to 25	None	Sulfadimethoxine	50 to 75	100
Cephapirin	4 to 6	60	Sulfadoxine	75 to 125	100
Chlortetracycline	150 to 200	100	Sulfamethazine (Sulfadimidine)	75 to 125	100
Cloxacillin	10 to 20	30	Sulfapyridine	75 to 125	100
Dapsone	1 to 2	0	Sulfathiazole	25 to 75	100
Dicloxacillin	10 to 20	30	Tetracycline	75 to 100	100
Doxycycline	25 to 75	0	Tilmicosin	25 to 35	50
Erythromycin	100 to 150	40	Trimethoprim	200 to 300	50
Gentamicin	75 to 100	100	Tylosin	20 to 30	50

^BAntimicrobial drugs listed are representative of their respective drug families. Other drugs will be detected at different levels.

^CConcentrations listed are total parent and metabolites. The concentration for positive for parent ceftiofur only is 10 - 20 µg/kg or ppb.

Ordering Info

Order Codes	Each Kit Includes
MI-BY-II-192K	2x96-Well Plate for 192 Tests and 4 ppb Penicillin G Standard