

# KIT ECLIPSE



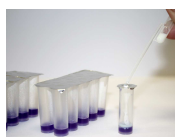
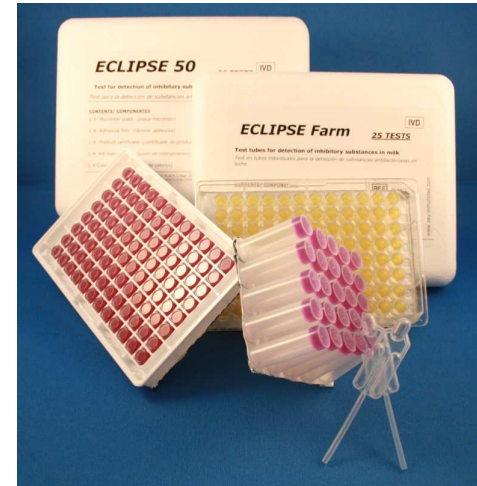
## Screening test for detection of antimicrobials residues in cow, sheep and goat milk

ECLIPSE is a broad-range screening test designed for the qualitative detection of antibiotics in milk, when present at levels above the recommended Maximum Residue Limits (MRLs). The method based on the inhibition of *Geobacillus stearothermophilus* var. *calidolactis*. Samples are added to wells or tubes containing a solid agar media, bacillus spores and a pH indicator. A colour change will occur when inhibitors are not present in the samples.

There are different ECLIPSE test kits available:

### **ECLIPSE FARM:** (Ref.: ZE/EF25, ZE/E50)

- One step kit producing results in about 2.30h.
- Supplied in single test tubes
- Results: interpretation by visual reading



100 µl milk sample



65°C/ ≈ 2.30h



NEGATIVE

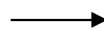
POSITIVE

### **ECLIPSE 50:** (Ref.: ZE/E50/96i, ZE/E50/288i)

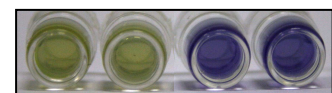
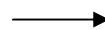
- One step kit producing results in about 2.30h.
- Supplied in microtiter plates of 96 wells that can be split in singles.
- Results: interpretation by visual or photometrical reading (filters 590 and 650nm)



50 µl of milk sample



65°C/ ≈ 2.30h



NEGATIVE

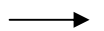
POSITIVE

### **ECLIPSE 100:** (Ref.: ZE/E100/96i, ZE/E100/288i)

- Test performed in two steps that take about 3.30 h
- Supplied in microtiter plates of 96 wells that can be split into singles
- Results: interpretation by visual or photometrical reading (filters 590 and 650nm)



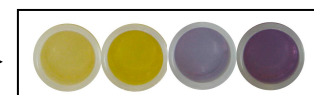
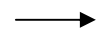
100 µl milk sample



Difusion for 1 h



65°C/ ≈ 2.30h



NEGATIVE

POSITIVE

### **SCREENING PLUS:** (Ref.: ZE/SC/96i, ZE/SC/288i)

- Kit test optimized for detection of macrolides and aminoglycosides. Complementary to Eclipse 50/100
- Test performed in two steps that take about 3.30 h. Supplied 96-wells microtiter plates



INHIBIDOR	Eclipse 100 (ppb)	Eclipse 50 (ppb)	Eclipse Farm (ppb)	Screening Plus (ppb)
<b>β-LACTAM</b>				
Amoxicillin	4	4	4	4
Ampicillin	4	4-5	4-5	4
Cefalexin	100	75	100	80
Cefapirin	6	8	8	5
Cefalonium	20	20	-	-
Ceftifur	100	100	100	-
Cefazolin	50	35	-	-
Cloxacillin	35	25	35	25
Oxacillin	20	25	25	15
Penicillin G	3	4	4	4
<b>TETRACYCLINES</b>				
Doxicycline	100	100	100	50
Oxitetracycline	100	100	100	100
Tetracycline	100	100	200	100
<b>MACROLIDES</b>				
Erytromicin	500	400-800	400-800	150
Tylosin	80	80-100	50	60
Spiramycin	>400	>400	>500	400
<b>AMINOGLYCOSIDES</b>				
Streptomycin	5.000	>2.000	>2.000	1500
Gentamycin	600	400	100	200
Neomycin	>2.000	1500	1.000	300
Kanamycin	5.000	>2.000	>2.000	3.000
<b>SULFONAMIDES</b>				
Sulfadiazine	100	100	200	-
Sulfamethacine	100	150	300	-
Sulfamethoxypridazine	100	100	-	-
Sulfanilamide	500	600	-	-
Sulfamethoxazole	50	100	-	-
Sulfathiazole	100	100	200	5.000
<b>LICOSAMIDES</b>				
Lincomycin	400	150-300	200	200
<b>OTHERS</b>				
Chloranphenicol	5.000	5.000	>5.000	3000