



Eclipse 4G & Comet32

- Do you want to perform a complete screening of antibiotics?
- Do you want to automatize your antibiotic testing in your laboratory?

Eclipse 4G & Comet32, automatic solution for screening of more than 50 antibiotics in milk, in a single assay.

Once the milk sample is added to Eclipse 4G test, Comet 32 will incubate, stop and interpret the results automatically. Qualitative, numerical and objective results will be displayed on the screen at the end of the assay.

AUTOMATIC:

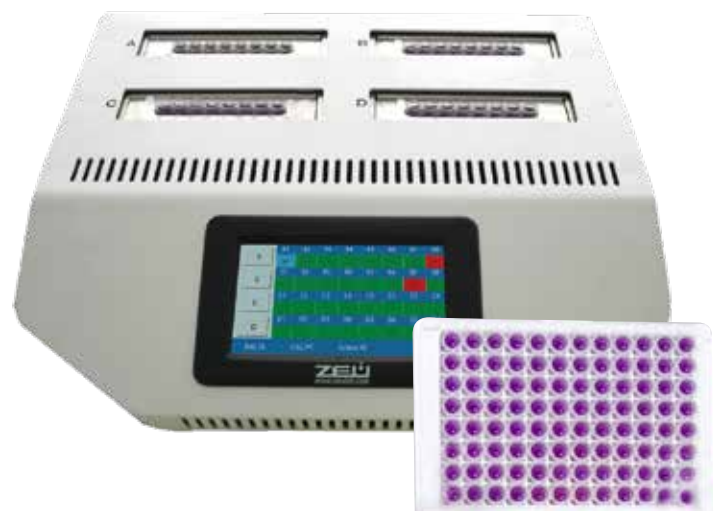
- Assay stopped automatically and objective interpretation of results.
- Qualitative (neg/pos) and numerical results displayed on the screen.

MULTISCREENING:

- Detection of 50 antibiotics from 8 different families.

FLEXIBLE:

- Plate format: from 1 to 31 samples per assay.



RAW MILK



COW, SHEEP & GOAT MILK



External validation by the German laboratory MQD.



Internal validation:
According to ISO 13 969:2003.

ASSAY PROCEDURE:



1. Add 100 µl of milk & Press START

A	A1	A2	A3	A4	A5	A6	A7	A8
B	B1	B2	B3	B4	B5	B6	B7	B8
C	C1	C2	C3	C4	C5	C6	C7	C8
D	D1	D2	D3	D4	D5	D6	D7	D8
8.02.18 C:62.9°C Eclipse NC								

2. Read the results on the screen.

LIMITS OF DETECTION:

	MRL- EU (µg/kg)	Eclipse 4G (µg/kg)
Penicillins		
Penicillin G	4	2
Amoxicillin	4	2
Ampicillin	4	2
Oxacillin	30	10
Cloxacillin	30	15
Nafcillin	30	7.5
Cephalosporins		
Cephalexin	100	20
Cefquinome	20	20
Ceftiofur	100	15
Cephapirin	60	5
Cefazolin	20	7.5
Cephalonium	20	5
Cefoperazone	50	20
Tetracyclines		
Oxytetracycline	100	50
Tetracycline	100	60
Chlortetracycline	100	60
Doxycycline	100	50
Sulfamides		
Sulfathiazole	100	50
Sulfadiazine	100	50
Sulfadimethoxine	100	50
Sulfamethoxy-pyridazine	100	50
Sulfamethazine	100	75
Macrolides		
Tylosin	50	30
Erythromycin	40	200
Aminoglycosides		
Neomycin	1500	1000
Gentamicin	100	150-200
DH-streptomycin	200	600
Streptomycin	200	1000
Lincosamides		
Lincomycin	150	150
Ansamcins		
Rifaximin	60	60
Sulfones		
Dapsone	5	2.5

MRL: Maximum Residue Limit (µg/Kg) in cow milk.
Data from the 2021 internal validation.