



## Duplex BT Scan & IRIS

- Do you need to know if the milk tank is not contaminated with antibiotics before is collected?
- Do you need results in real-time or to share them with people located in different places?
- Do you need any operator to run the test reliably?

Add 1 drop of milk to the test and IRIS will automatically run the beta-lactam and tetracycline detection assay in a few minutes. Results will be sent to your mobile phone, server or the cloud where they will be available in real-time.

Duplex BT Scan helps you to identify if the milk tank is contaminated with beta-lactams or tetracyclines during transport or upon arrival at the plant in a simple and fast way.

### AUTOMATIC:

- Automatic stop and interpretation of results.
- Qualitative (neg/pos) and numerical results on the IRIS reader, your smartphone screen or from the test4all.es platform.
- Easily performed by any operator.

### CONNECTED:

- Share and store your results with the IRIS App.
- Remote access to results at [www.test4all.es](http://www.test4all.es).
- Receive real-time emails.
- 4 hours battery to run the test wherever you need.



*Antibiotic control at anytime, anywhere & wherever you are*

## ASSAY PROCEDURE:



1. Add sample:  
100µL of milk.

2. Result:  
On the APP, IRIS device,  
email or test4all.es platform

## LIMITS OF DETECTION:

	MRL (µg/L, ppb)	LOD (µg/L, ppb)		MRL (µg/L, ppb)	LOD (µg/L, ppb)
Penicilin G	4	2	Cefazolin	50	25
Amoxicillin	4	3	Cefapirin	60	8
Ampicillin	4	3	Cefalexin	100	>600
Cloxacillin	30	5	Cefalonium	20	4
Oxacillin	30	5	Ceftiofur	100	100
Cefoperazone	50	5	Oxitetracycline	100	80-100
Cefquinoma	20	10	Tetracycline	100	80-100
Nafcillin	30	15	Chlortetracycline	100	80-100

LOD: Limit Of Detection (µg/L, ppb) in cow milk. MRL: Maximum Residue Limit (µg/Kg) in cow milk.  
Data from external validation by the German laboratory MQD (2022) and internal validation by Zeulab (2020).

## MATRIX:



RAW MILK



COW, SHEEP OR GOAT MILK

## VALIDATIONS:



Internal validation:  
According to ISO 13969:2003.

External validation by the German laboratory MQD.

## SOLUTIONS FOR THE DETECTION OF ANTIBIOTICS IN MILK:

### BETA SCAN:



It detects the presence of  
beta-lactamic agents.

### BT SCAN STRIP:



Detects the presence of  
beta-lactam and tetracyclines in  
strip format.

### ECLIPSE4G & COMET4:



Automatically detects the  
presence of more than 50  
antibiotic substances.

### QUINOSCAN:



It detects the presence of  
quinolones.