

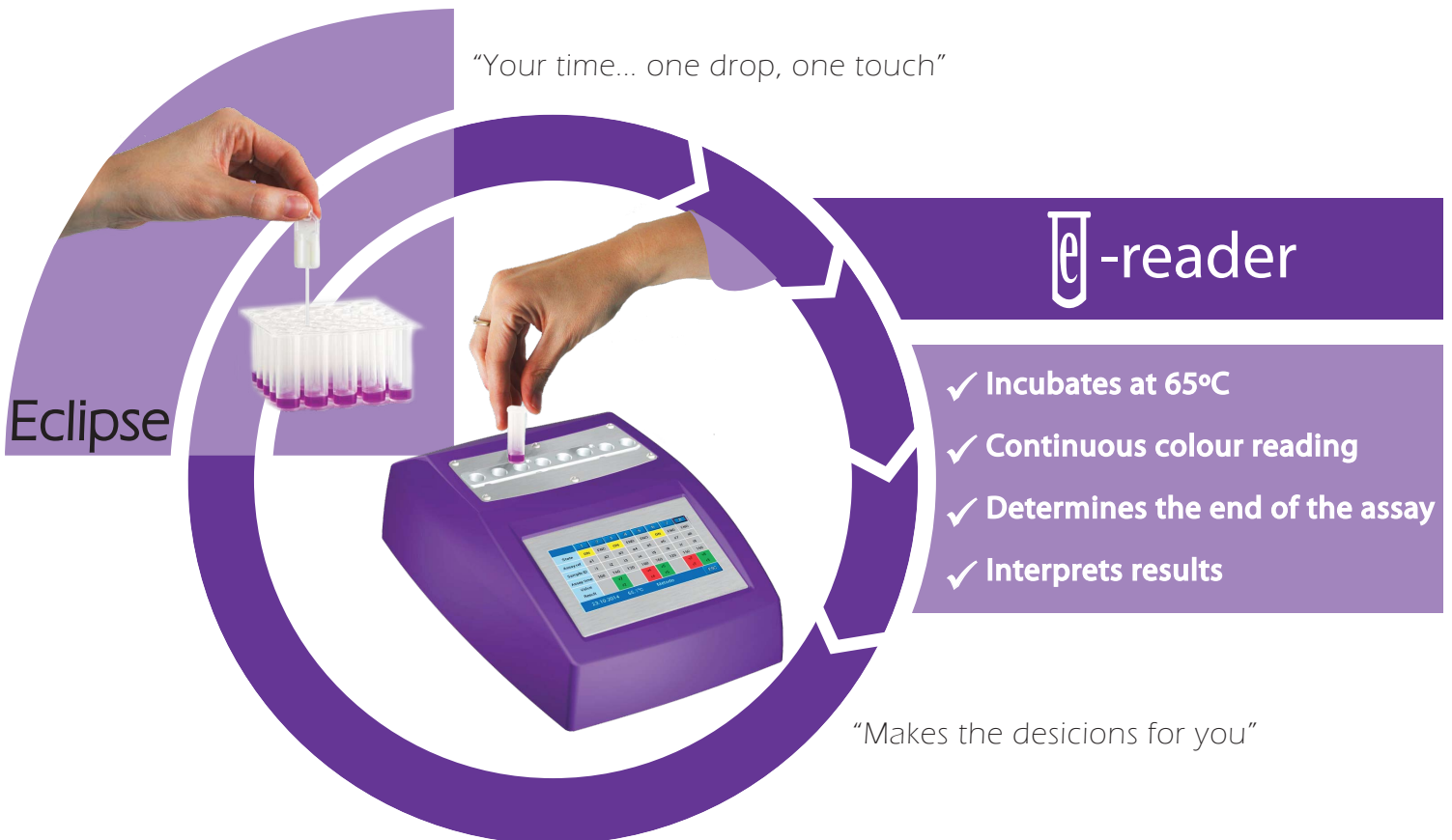


ANTIBIOTIC DETECTION

Eclipse + eReader

The simplest and less time-consuming method
Onsite test, non qualified personnel

"Your time... one drop, one touch"



Automatic stop and interpretation

- ✓ Avoids mistakes, standardised results
- ✓ Guarantees the best assay performance
- ✓ Achieves the best sensitivities

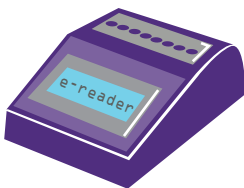


Sensitivity complying with EU MRLs

| e-Reader | LOD µg /kg | EU-MRL |
|------------------------|------------|--------|
| penicillin G | 3 | 4 |
| ampicillin | 4 | 4 |
| amoxicillin | 4 | 4 |
| oxacillin | 15 | 30 |
| cloxacillin | 30 | 30 |
| cefalexin | 50 | 100 |
| ceftiofur | 50 | 100 |
| cefapirin | 10 | 60 |
| cefalonium | 20 | 20 |
| cefoperazone | 50 | 50 |
| *cefazolin | 50 | 50 |
| *nafcilin | 30 | 30 |
| <hr/> | | |
| oxytetracycline | 100 | 100 |
| chlortetracycline | 150 | 100 |
| tetracycline | 100 | 100 |
| <hr/> | | |
| sulphathiazole | 50 | 100 |
| sulphadiazine | 50 | 100 |
| sulphamethazine | 100 | 100 |
| sulphadimetoxine | 50 | 100 |
| sulphametoxipiridazine | 100 | 100 |
| *sulphadoxine | 200 | 100 |
| <hr/> | | |
| tilmicosin | 50 | 50 |
| tylosin | 25 | 50 |
| erythromycin | 120 | 40 |
| <hr/> | | |
| neomycin | 200 | 1500 |
| gentamicin | 50 | 100 |
| DH-streptomycin | 500 | 200 |
| <hr/> | | |
| lincomycin | 150 | 150 |
| *pirlimycin | 100 | 100 |
| <hr/> | | |
| enrofloxacin | 10.000 | 100 |
| <hr/> | | |
| chloramphenicol | >30 | 0.3 |
| florfenicol | >30 | 0.3 |
| <hr/> | | |
| dapsone | 5 | 5 |
| <hr/> | | |
| rifaximin | 60 | 60 |

Table shows LODs determined for the antimicrobial listed Mata et al (2015). Nevertheless e-Reader can also detect other antibiotics. Antibiotics marked (*) come from ILVO validation.

e-Reader types



8 assays

16 assays*

32 assays*

*Coming soon

Published:

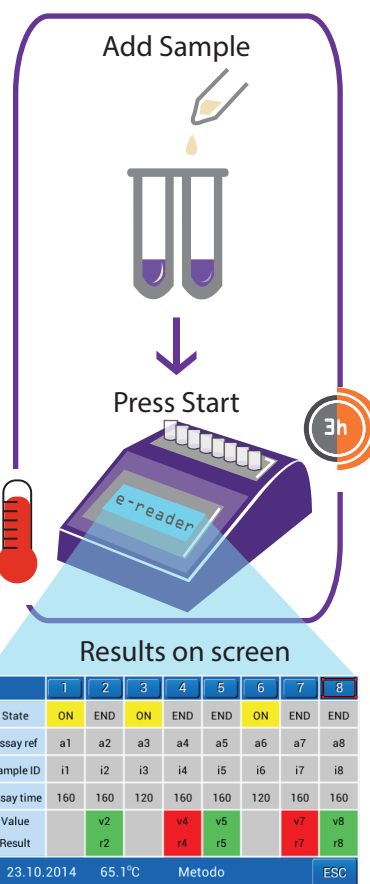


Mata et al (June 2015) Food analytical Methods

Validated:



Belgium reference laboratory for antibiotics analysis



e-Reader features

1. Traceability

Data logging: date, assay ID, sample ID, batch and analyst

2. Results

Numerical and qualitative results displayed on screen

3. Data storage

Up to 20000 assays

4. Transfer data to PC

Excel file via USB connector

5. Calibration program

Temperature and color parameters

6. Safety system

In event of power cut

7. Easy to handle

In the lab and in your vehicle, with touch screen

8. PC software easy to use

Option of handling e-Reader using PC