

Proficiency test Antibiotic residues

Introduction

Several test methods are available to monitor for antibiotic residues in milk. Screening usually takes place with broad-spectrum microbiological tests (Delvotest T, Delvotest SP, Charm Cowside II, Milchtest Eclipse, BRT hi-sense, BRT Inhibitor Test, BRT MRL-Screening Test) or with group-specific rapid tests on in particular residues of beta-lactam antibiotics and tetracyclines (including various Charm tests, Betastar, Unisensor, Milksafe). For correct measurement results and justifiable release of "suspect" batches of milk, it is important that the method used is properly applied. Participation in a proficiency test provides this information.

When participating in an antibiotic residues proficiency test, you will receive a set of 'blind' positive and negative samples several times a year for determining antibiotic residues with your test method. The blind samples vary in terms of composition of antibiotic substances and concentrations. Your results are compared statistically with the expected result in a detailed accredited report. The report includes the evaluation of your result against the limit of detection of the applied test for the concerned substance, as specified by the test kit manufacturer.

Expertise and many years of experience in organising proficiency tests.

Qlip has many years of experience organising proficiency tests and is accredited according to ISO/IEC 17043:2010. Below is an overview of Qlip's antibiotic residue proficiency tests.

Proficiency tests	Matrix	Q yes/no	Dates of dispatch 2023	Artikelcode
Inhibitory substances / antibiotics	Milk	Yes	6 March, 22 May, 16 Octobre	RO705
Inhibitory substances / antibiotics for Tetracyclin	Milk	No	6 March, 22 May, 16 Octobre	RO726

Developing product portfolio

In order to keep in line with current practice (legal standards, Maximum Residue Limit) with the proficiency tests, changes are made to the program if necessary.

Would you like to participate with the proficiency tests?

You can easily request the subscription in our QCPS-customer portal. Would you like to participate or do you still have any questions, please do not hesitate to contact our sales department at sales@qlip.nl or +31 88-7547199.

Antibiotic residue analysis by LCMS/MS

Qlip is able to detect 83 different antibiotic residues in milk and 35 antibiotic residues in dairy products with LC-MS/MS.

A separate data sheet is available for these antibiotic residues analyses.

Your benefits:

- Assurance on the performance of your tests and the correct use in your organization
- Proficiency test accredited to ISO/IEC 17043:2010
- Samples prepared in an ISO 17025 accredited laboratory
- Clear reports
- Interpretation support from the specialists of Qlip.
- Simple request in QCPS-portal
- Continuous performing assurance with annual subscription and planning