



The Brilliant Black Reduction Test (BRT)

The BRT Inhibitor Test The BRT MRL-Screening Test The BRT hi-sense

When to use which BRT version?
Recommendation for the application of inhibitor test systems –
the appropriate choice.

Inhibitor tests are carried out routinely at many different steps along the dairy chain – starting from the milking of one single cow up to the ready-to-eat milk products in shops. In this way the risk for the contamination of dairy products with residues of antibiotic veterinary drugs are minimized.

In order to choose the most suitable test system for the respective analysis, it is necessary to clearly define the analysis' request and aim. This includes amongst others to consider the quantity and type (matrix) of the milk, the risk of contamination and possible consequences of not identified residues.

To facilitate your decision about the appropriate test system for your needs, we developed a schema, which is intended to serve as a guidance. The recommended versions of our test systems were selected to fulfil the requirements of the amended German milk quality regulation. They allow the detection of antiinfectives at very sensitive levels and therefore assure the production of safe, healthy and residue-free food. We would be glad to advise you on this topic also in person, please do not hesitate to contact us.

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Examiner	Request / aim of testing	Type (matrix) / quantity of milk	Recommended test version
Farmer	Residue-free milk after antibiotic treatment of a cow	Milk from treated cows after the with-drawal time has elapsed (single cow sample)	AiM Milk producer test set (BRT MRL-Screening Test)
	Residue-free bulk milk before delivery to third parties	Milk to be delivered before it is collected by the tanker (farm tank)	AiM Milk producer test set (BRT MRL-Screening Test)
			AiM Milk producer test set hi-sense (BRT hi-sense)
Dairy	Residue-free milk after antibiotic treatment of cows	Milk from treated cows after the withdrawal period has elapsed (single cow sample)	BRT Inhibitor Test
			BRT MRL-Screening Test
	Incoming inspection of bulk milk	Tanker before unloading	Appropriate rapid test
		Silo (after one batch is complete)	BRT hi-sense (when amended German milk quality regulation is effective, currently BRT Inhibitor Test and / or BRT MRL-Screening Test)
		Incoming inspection of purchased milk	
	Residue-free bulk milk before delivery to third parties	Milk before trading	
Residue-free before processing	Milk before processing		
Residue-free food / milk products	Products before delivery	BRT Inhibitor Test (Verify in advance for matrix-suitability!)	
Control lab	Residue-free bulk milk before delivery to third parties - screening	Bulk milk of one farmer (tanker / automatic sampling, milk payment scheme)	BRT hi-sense (when amended German milk quality regulation is effective, currently BRT Inhibitor Test)

BRT Inhibitor Test
 BRT MRL-Screening Test
 BRT hi-sense