

Rapid Dairy Antibiotic Testing Solutions from Your Trusted Partner

Disease prevention and control is part of the daily life on dairy farms and despite best practices, bacterial and viral infections can still persist. Conditions that affect the health of animals such as cattle are treated with antibiotics. In dairy cows, antibiotic residues can then pass through into their milk following treatment of the animal with antibiotics.

They can be dangerous for humans as well as impacting the yield and the quality of fermented milk-based products like cheese and yogurt. For these reasons, it is important to test milk throughout the supply chain to ensure it complies with the different Maximum Residue Levels (MRL) set by regulators for each class of antibiotic.

Testing throughout the supply chain

BetaStar is a range of rapid, easy-to-use and internationally-approved tests that can be run anywhere, from the farm or milk tanker to dairy processors, in just 5-10 minutes. BetaStar offers rapid detection of different classes of antibiotics in raw commingled, UHT, sterilised, frozen-thawed, reconstituted bovine milk, goat's milk, ewe's milk, and mare's milk at or below established Maximum Residue Levels

All BetaStar test kits are read using Neogen's automated analysis Raptor platforms, while BetaStar S and BetaStar S Combo tests can also be visually interpreted. Their BetaStar range can detect the main classes of antibiotics, such as beta-lactams and tetracyclines.

A unique rapid testing solution

Neogen has combined the simplicity of their BetaStar test kits with the automation of their Raptor analysis platforms to offer a unique rapid solution for dairy antibiotic testing. Their Raptor integrated analysis platforms are lateral flow test strip readers with built-in incubation for automated testing that delivers qualitative results. Unlike traditional testing methods that require multiple hands-on steps, the Raptor platforms improve the efficiency of your testing protocol by minimising user error and increasing productivity.

Lot IDs are automatically scanned, the sample volume has forgiving tolerance, and the system provides control over test parameters including time and temperature, allowing users to simply add the prepared sample and walk away. With incubation times between 5-10 minutes depending on the test used, you can work quickly and efficiently.



For more information on our solutions for dairy antibiotic testing, visit [NEOGEN.com](https://www.NEOGEN.com)