

RAPID MICROBIAL REDUCTION (MBRT) TEST KIT

For Quality Of Raw And Pasteurized Milk



What is Rapid MBRT Test Kit?

A **Nano-Particles**, **Bio-Sensor** based kit that can be used as a **Rapid Method** to check the quality of milk based on the difference in **Microbial Load** of the milk sample.

**PATENT
PROTECTED**



Technology Developed At
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How it works?



Take out the test vial and sterile syringe from the aluminum pouch.



Add milk sample into the vial using the sterile syringe. Make sure the milk sample should be room temperature (RT).

Advantages Over Conventional Method

- Fast Results** - Faster results as compare to conventional method.
- Highly Sensitive** - Detects even low levels
- User-Friendly** - No lab equipment needed
- Trusted by Dairy** Processors & Quality Teams



Invert to mix the milk and nano particles. (Shake it thoroughly)



Keep the test vial at room temperature (RT) for 10-15 minutes.



Observe after the end of 2 min, at the end of 10 successive min intervals in the "Double Reading Test"



The following color and quality relations are generally accepted.

Instant (Excellent)	After 2 min (Very Good)	After 5 min (Good)	After 10 min (Suspect)	After 15 min (Suspect)	After 22 min (Suspect)	After 30 min (Very Bad)	

