

MIDLANDS MILK

(Pty) Ltd

Clot-on-Boiling Test

This test is used as a platform test for the acceptability of raw milk at the factory, or tanker on the farm.

Acid development and colostrum in milk will result in a positive clot-on-boiling test result.

APPARATUS

5-10 ml test tubes with lids

Container (pot) with boiling water

Thermometer

METHOD

- 1. Mix milk thoroughly before sampling.**
- 2. Pour 5 ml of milk into a test tube.**
- 3. Place the tube in boiling water.**
- 4. Ensure that the level of the boiling water is higher than the milk level.**
- 5. Stand the test tube with the milk in the boiling water for five minutes.**
- 6. Remove the test tube from the water and tilt the tube almost horizontally without shaking the milk inside.**
- 7. Wait until a thin film is formed on the milk**
- 8. The result is POSITIVE if all the milk clots or if it flocculates and adheres to the sides of the tube when it is returned to the vertical position.**