

MILK CULTURE DIAGNOSIS

Growth on Factor

No Growth

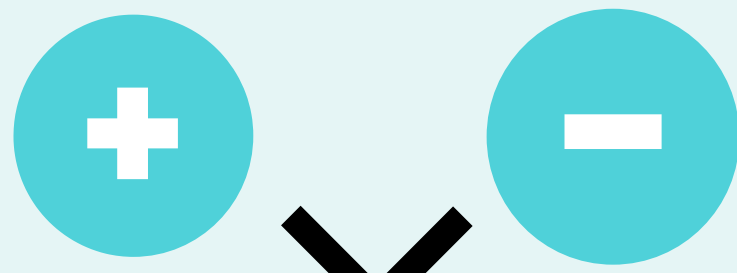
Growth on McConkey

Catalase Test
with Hydrogen Peroxide

1 No Mastitis

2 Sterile Inflammation

Coliform
Analyze colony characteristics



Pasturella
Gram Stain
Rod - Cocci

- Inflations?
- Teat ends?
- Pulsators?
- Chronic staph aureus?

1 Klebsiella

2 E. Coli

Staph

Strep

3 Coliform
Bacteria gone,
cleared by body

- Strip out?
- Management fix?
- Environmental issue?

Hemolysis?

Use colony characteristics and gram stain to determine species

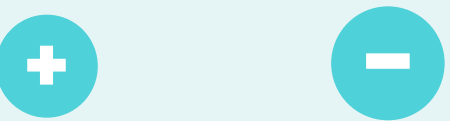
1 Plate the milk sample.

2 Grow in incubation for 24 hours.

3 Analyze growth on each side.

4 Perform catalase test, if needed.

5 Perform gram stain, if needed.



Aureus

1 Ubersis

2 Agalactiae

3 Species

Species