Bovine mastitis is the most costly disease to the dairy industry worldwide. *Staphylococcus* spp., *Streptococcus* spp., and *Enterobacteriaceae* bacteria are globally considered as the major mastitis pathogens.

**SAMPLE COLLECTION**

1. Clean properly udder of a cow.
2. Eliminate the initial stream and collect only the subsequent streams within the sterile bottle.
3. Mark the sample with cow’s ID number, which udder is sampled, and sampling date.

**ISOLATION OF COLONIES**

**IDENTIFICATION**

Other than *E. coli*

- **chromID® CPS® Elite agar**
- **VITEK® ID**
- **VITEK® AST**
- **ETEST®**
- **Previ® Color Gram**

**FURTHER GUIDANCE FOR IDENTIFICATION**

**ANTIBIOTICS SUSCEPTIBILITY TESTING**

- **VITEK® MS**
**MATERIAL REQUIRED**

- 10 μl calibrated loops
- Bacteriology incubator

**READING AND INTERPRETATION**

**Red to burgundy colonies:**

Direct Identification of *E. coli*

**White/yellow colonies:**

Presumptive identification of *Staphylococcus spp*

Identification of the microorganism isolated must be followed by additional tests.

**Blue to green colonies:**

*Klebsiella pneumoniae* subsp. *pneumoniae* (ATCC® 13883™)

Identification of the microorganism isolated must be followed by additional tests.

**Blue colonies:**

Presumptive identification of *Streptococcus uberis* (ATCC® 9927™)

Identification of the microorganism isolated must be followed by additional tests.

**Milk:** specimens must be transported safely, timely, efficiently from the place where they are collected to the place where they are analysed.

**Translucent chromID® CPS® Elite agar**

Ref. 418284 / 20 plates

**Opaque chromID® CPS® Elite agar**

Ref. 418206 / 20 plates

**chromID® CPS® Elite agar** is an easy decision maker for “polycontaminated” samples

→ Resampling must be performed, in the case when more than 3 different major bacterial strains are present on the plate.

FOR THE TEST PROCEDURE, PLEASE REFER TO PACKAGE INSERT RELATED

FOR MORE INFORMATION, PLEASE REFER TO PACKAGE INSERT

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