

## **LabMastis® S.A.**

### High sensitivity diagnostic test

### Identification of *Staphylococcus.aureus* in bovine raw milk

LabMastis® S.A. is a high-performance lateral flow diagnostic test intended for the detection of *Staphylococcus aureus* in raw milk. Thanks to its very high sensitivity LabMastis®S.A. allows milk to be tested individually (quarter milk), but also to carry out tests on mixed milk from several cows or tank milk.

LabMastis®S.A. is simple to use, the strips allow easy and reliable reading without the need for specific equipment.

LabMastis®S.A. can be used during lactation as a routine test, or for the validation and confirmation of conductivity or cell counting measurements. Its very high sensitivity and ease of use make LabMastis® S.A. a tool suitable for testing an entire herd, individually or in groups.

LabMastis® S.A. also allows cows to be tested at dry off or when resuming lactation in order to validate the absence of *S.aureus*.

Veterinary use.

#### **Reagents and materials provided (content of one box)**

- 25 test strips
- 25 plastic single-use Pasteur pipettes, single-use
- 25 test tubes containing 0.5mL of LabMastis® culture medium (transparent tube with blue cap – clear content)
- Cardboard rack for test tubes
- Instructions for use

#### **Equipment required and not provided**

- Single-use gloves
- Stopwatch
- Milk collection equipment (single-use tubes, teat cleaning and disinfection wipes, etc.)
- Permanent marker for identifying samples and test tubes.
- Incubator set at 37°C

#### **Storage and Stability**

- Store the strips in their original container, keep it tightly closed after use
- Store the kit (test strips and tubes containing the culture medium) at room temperature (15°C to 30°C). **Do not freeze. Do not refrigerate.**
- Expiration date: see notice printed on the packaging.

#### **Precautions**

- Read the instructions carefully before use
- Strictly respect the aseptic recommendations in force for milk collection in order to avoid any contamination of the sample.
- Respect the shelf life of the kit, do not use beyond the expiry date indicated on the packaging.
- Single-use device. Do not reuse.
- After incubation, Labmastis® culture media (transparent tubes with blue cap) may contain infectious agents. When carrying out the test, observe applicable guidelines for handling infectious agents and chemical reagents.
- After use, the test tube and the strip are considered as waste contaminated by biological agents. Treat and dispose of biological waste in accordance with current applicable recommendations.

#### **Carrying out the test**

- 1. Read the instructions carefully. Read the contents of the box.**

#### **Milk sample collection**

2. For quarter milk: proceed following the protocol in force, respecting aseptic recommendations.
3. For tank milk: take two samples from the tank to constitute the sample (promote mixing), taking care to avoid any contamination

#### **Preparation and incubation**

4. Take a test tube, place it on the rack. Put on single-use gloves. Remove the blue cap.
5. Using a single-use Pasteur pipette (provided), add **2 drops of milk** to the tube. Close the tube and shake vigorously.
6. **Incubate the test tube at 37°C during a minimum of 15 hours:**
  - **Quarter milk: reading is possible as of 15h of incubation (until 24hours maximum)**
  - **Mixed milk or tank milk: reading is recommended at 20hours of incubation (until 24 hours maximum)**

#### **Reading**

7. Take the test tube out of the incubator. Shake the test tube vigorously, place it on the rack and remove the blue cap.
8. After putting on gloves, open the cylinder containing the strips, take out a test strip and carefully close the cylinder. **DO NOT OPEN THE CYLINDER OR REMOVE THE STRIP BEFORE THIS STEP.**
9. Insert the strip vertically into the test tube with the arrows pointing upwards. Track the migration.
10. **Hold the strip in the test tube for reading. Reading is possible from 10 minutes after the start of the migration. In the event of a weak signal, leave the strip in place and repeat a reading later (up to 1 hour after start of migration).**

### Interpretation

11. **Positive:**  
Two lines appear: control line (C), at the top, and test line (T), at the bottom. Line intensity and color may vary; this does not indicate the intensity of the contamination.  
This result indicates the presence of *S. aureus* in the milk sample tested.
12. **Negative:**  
Only one line appears at the top of the strip (control line, C). No line appears at the bottom of the test area. A negative result means the absence of *S. aureus* in the milk sample tested or that its concentration is below the detection threshold\* of the test.
13. **Non Valid:**  
No colored line appears in the control zone at the top of the strip. The absence of a control line (C) indicates that there was an error during the procedure or that the kit is damaged (expiration date exceeded or non-compliance with storage conditions). It is then advisable to carry out another test with a new strip.  
If the problem persists, contact your distributor.

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See our demo video: [youtube/@vetophage/featured](https://www.youtube.com/@vetophage/featured)

Website : [www.vetophage.fr](http://www.vetophage.fr)

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\*Limit of detection (LOD) is determined in standardized and controlled in vitro conditions. On the field performance may vary according to operating conditions.

