Sampling of nest box bottoms for the detection of *Salmonella* in day-old poultry



Page **1/1**

SAMPLING METHODS SM4 - Version 01

REQUIRED EQUIPMENT

- 3L sterile bag.
- Disinfected single-use gloves.

2 STORAGE OF SAMPLING EQUIPMENT

Keep in a dry and dust-free place.

SAMPLING METHODS

Sampling is carried out upon poultry arrival, in the presence of the driver, and before they enter the livestock building. Sampling is carried out in duplicate, in accordance with the provisions of the current French Decrees on *Salmonella* (Gallus and breeding turkeys).

- Put on a pair of gloves.
- *i* Collect the content of five nest box bottoms (soiled with meconium).
- *i* Place all collected samples in a bag.
- Carefully seal the bag.
- *i* Label the bag using a permanent marker.

PACKAGING AND TRANSPORTATION OF SAMPLES TO THE LABORATORY

- Store in a cool environment if analysis is delayed and the ambient temperature is high.
- Deliver samples to the laboratory within 48 hours or dispatch them the same day in securely sealed outer packaging (e.g. envelope or cooler).

5

SAMPLE ACCEPTANCE CRITERIA

- *i* Reception time: Maximum 48 hours. Samples must arrive before 2pm to ensure same-day analysis.
- *i* Minimum regulatory sample quantity: Content of five soiled nest box bottoms.
- *i* Transport temperature: Samples should be transported quickly at room temperature or in a cooler.
- Sample integrity : Samples must be properly labelled and packaged.

KEY POINTS

- 1. Collect five nest box bottoms per delivery and hatchery of origin, and place them in a bag.
- 2. Sampling must be performed in duplicate (French Decrees on *Salmonella*). The laboratory can store the duplicate sample for eight weeks.
- 3. Protect the sampling bag with outer packaging for transport to the laboratory.