

TECHNICAL DATA SHEET

Food swab E.Coli-coliforms

code 200184

code	presentation	tube dimensions (mm)	quantity/case	weight/case (gr)	volume/case (m ³)
200184	1 tube + 1 swab with viscose peel, wrapped by PP bag	12 x 165	25 packs	330	0.0027

DESCRIPTION

Swab with culture medium and growth indicator for the detection of E.coli and coliforms directly from surfaces.

Culture medium incorporates a pH indicator to indicate biological activity, by changing the color of the medium that is easily visible. With $2,5 \pm 2$ ml agar.

Shelf life 6 months. Storage 10-25°C. Composition: differential medium.

TECHNIQUE

1. Remove the sterile swab from inside the bag.
2. Wet the tip of the swab by immersing it in sterile physiological solution.
3. Drain excess liquid by resting the tip of the swab against the wall of the tube.
4. Rub the swab on a surface (10 x 10 cm²) horizontally and vertically.
5. Introduce the swab into the tube containing the culture medium.
6. Close the tube and write the date and place of sampling.
7. Incubate at 37°C for 18-24 hours.
8. Observe the change in color of the medium and interpret the result:
 - Yellow media: Absence of E.coli-coliforms
 - Green media: Presence of coliforms
 - Fluorescence media: Presence of E.coli

Each laboratory must evaluate the results according to their specifications.

QUALITY CONTROL

Physical/Chemical control

Color: Yellow

pH: 7.0 ± 0.2 at 25°C

Microbiological control

Inoculate: Practical range 10-50 CFU.

Aerobiosis. Incubation at 37 ± 1 °C, reading after 18-24 h



WRITTEN	VERIFIED	AUTHORISED
Pascal Montoya Marketing Department	Anna Mir Technical, RA, Quality & Environment Director	Mònica Torras Sales & Marketing Director

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Microorganism	Growth	Medium color
<i>Escherichia coli</i> ATCC® 25922, WDCM 00013	Good	Green- Fluorescence
<i>Escherichia coli</i> ATCC® 8739, WDCM 00012	Good	Green- Fluorescence
<i>Citrobacter freundii</i> ATCC® 43864, WDCM 00006	Good	Green- Without fluorescence

Sterility control

Incubation 48 h at 30-35 °C and 48 h at 20-25 °C: NO GROWTH.
Check at 7 days after incubation in same conditions.

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