Selective STEC Supplement

#	Description
3564005	**Selective STEC Supplement,** vial 1 g (235 tests)

PRINCIPLE

The Selective STEC Supplement is a mix of several selective antibacterial agents whose combined action reduces the growth of the background flora, thereby promoting the growth of Shiga-toxin producing *Escherichia coli* (STEC).

FIELD OF APPLICATION

The Selective STEC Supplement is used in combination with Buffered Peptone Water (BPW) in order to perform the STEC selective enrichment in food and environment samples. It is particularly suitable for matrices which contain a high level of competitive flora. The detection of STEC is carried out with iQ-Check STEC VirX and iQ-Check SerO.

THEORETICAL FORMULA

Selective Agents: 1 g

PREPARATION and USE

- Weigh 170 mg of Selective STEC Supplement in a clean and dry container
- Add 100 ml Sterile Distilled Water
- Shake till a complete dissolution
- Add 2,5 ml of this concentrated solution to 225 ml of BPW
- Add 25 g sample
- Incubate for 16 to 20 hours at 37°C
- Follow the analysis protocol described into the iQ-Check STEC VirX (code 3578139) or iQ-Check STEC SerO (code 3578140) package insert

STORAGE – VALIDITY – LOT

- Stored at + 2-8°C, vial properly closed
- After the preparation, the Selective STEC Supplement can be stored 2 weeks at 2-8°C
- Expiration date and batch number are shown on the package.

EQUIPMENT AND REAGENT REQUIRED (NOT SUPPLIED)

- Buffered Peptone Water (e.g.* code 3554179)
- Sterile Distilled Water (e.g.* code 3554154)
- Scale
- Magnetic stirrer
- Usual laboratory equipment

* e.g. = For example

PRECAUTIONS

- Respect of Good Laboratory Practice (e.g. EN ISO 7218)
- Appropriate protection, such as gloves and lab coat, should be worn when working with potentially infectious

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live bacteria such as STEC.

- Media that have come in contact with food samples should be considered contaminated and should be disposed of in accordance with local rules and regulations.
- Product Safety Information: See Safety Data Sheet (www.bio-rad.com)

QUALITY AND PERFORMANCE OF THE TEST

Se référer au certificat de contrôle qualité.

QUALITY CONTROL

Every product manufactured and marketed by Bio-Rad is subject to a quality-assurance procedure at all stages, from the reception of raw materials to the marketing of the end-product. Each batch of finished product undergoes quality control and is marketed only if it satisfies the acceptability criteria.

Documentation relative to the production and control of each batch is kept on file.

KEY WORDS

Escherichia coli, Shiga-toxins, STEC, Selective enrichment, Buffered Peptone Water, iQ-Check STEC VirX, iQ-Check STEC SerO.

Visit **www.foodscience.bio-rad.com** to find out more about our kits and media and see how they can be incorporated into your food testing workflows.

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