

XLT4 Supplement



- For in vitro use only -

Catalogue No.

VX50-100 XLT4 Supplement [100-mL / 21.7-L] (Liquid)

A selective supplement used for the detection and isolation of non-typhi *Salmonella* when incorporated into XLT4 Agar.

Active Ingredients per 100-mL Vial (Each vial prepares 21.7-L of media)

7-Ethyl-2-methyl-4-undecanol hydrogen sulfate sodium salt 100 mL

Appropriate Commercial Bases

Manufacturer	Description	Catalogue No.
Acumedia	XLT4 Agar	7517A
BD	XLT4 Agar Base	223420
Oxoid	XLT4 Agar	CM1061

Recommended Procedure for Media Preparation

1. Prepare and 1-L of XLT4 Agar according to the manufacturers recommendations.
2. Add 4.6-mL of XLT 4 Supplement and mix thoroughly.
3. Heat with frequent agitation and boil for 1 minute to completely dissolve the powder.
4. Cool medium to 45 to 50°C in a warm water bath.
5. Dispense medium into sterile petri dishes. Allow medium to set on a cool, level surface.

Quality Control

The following organisms should be used to determine the performance of the completed medium. Inoculate and incubate at 35°C for 18 to 48 hours.

Organism	Expected Results
<i>Salmonella tyhphimurium</i> ATCC 14028	Growth, yellow to red with black centers
<i>Escherichia coli</i> ATCC 25922	Partial to complete inhibition
<i>Enterococcus faecalis</i> ATCC 29212	Partial to complete inhibition

Storage and Shelf Life

Our XLT4 Supplement has a shelf life of 52 weeks from the date of manufacture when stored at room temperature.

Original: December 2003 Updated: December 2003 Checked: January 2014