



Specification

Sterile selective supplement the isolation of Gram positive cocci.

Presentation

	Packaging Details	Shelf Life	Storage
10 Freeze-dried vials	23x50 mm glass vials, tag labelled, White plastic cap - 10 vials per box	49 months	2-25°C

with: 3 ± 0,1 g

Composition

Compositon (g/vial)

Sodium Nalidixate..... 0.0075
Colistin sulphate..... 0.0050

NOTE : Each vial is sufficient to supplement 500 ml of medium Base: Blood Agar Base

Reconstitute the original freeze-dried vial by adding :
Sterile Distilled Water..... 6 ml

Description /Technique

Description:

CNA CP Gram-Positive Selective Supplement enables important Gram-positive cocci to be recognised more readily and isolated easily from the mixed bacterial populations contained in many clinical specimens and foods.

A selective medium for Staphylococci and Streptococci of the type described by Ellner and subsequently named Columbia CNA Agar can be made by adding this supplement to Columbia Agar Blood Base.

Technique:

Collect, dilute and prepare samples and volumes as required according to specifications, directives, official standard regulations and/or expected results.

Reconstitute the vial with 6ml of a sterile diluent in aseptic conditions and add it to 500 ml of the melted Blood Agar base cooled to 50°C. Add aseptically 5-10% steril defibrinated sheep blood.
Do not over heat once supplemented.

Pour the complete medium into Petri dishes and, once solidified on a flat surface, spread the plates by streaking methodology or by spiral method.
Incubate the plates in aerobic atmosphere at 35 ± 2°C for 24-48h.

Incubation times longer than those mentioned above or different incubation temperatures may be required depending on the sample or the specifications.

After incubation, count all the colonies that have appeared onto the surface of the agar.

Presumptive isolation of staphylococci and streptococci must be confirmed by further microbiological and biochemical tests.



Reference: 06-013LYO1 Scharlau Microbiology - Technical Data Sheet

Product: CNA CP Gram-Positive Selective Supplement

Quality control

Physical/Chemical control

Color : Off-white

pH:

Microbiological control

Reconstitute 1 vial as indicated in COMPOSITION; shake and dissolve completely

Inoculate 30-300 CFU (Productivity) 1,000-10.000 UFC (Selectivity)

Distribute the complete medium, cooled to 50°C, into 90 mm plates

Microorganism

Growth

Staphylococcus aureus ATCC 25923

Good

Streptococcus pyogenes ATCC 19615

Good

Escherichia coli ATCC 25922

Inhibited

Sterility Control

100ml TSB and 100ml Thioglycollate

Incubation 48 hours at 30-35°C and 48 hours at 20-25°C: NO GROWTH

Check at 7 days after incubation in same conditions

Bibliography

ELLNER, STOESSEL, DRAKEFORD and VOSI (1966) Ammer.J.Clin.Path. 45:502

ATLAS, R.M. and L.C. PARKS (1993) Handbook of Microbiological Media. CRC Press. London.

WILLIAMS SMITH . (1959) J. Gen. Microbiol. 21: 622-630

European Pharmacopeia 6th Edition - Chapter 6 Biological Tests

U.S.Pharmacopeia USP32 NF27 2009 - Chapters <61>,<62> and <71>