Condalab

Reference: 6016 **Technical Data Sheet**

Product: **CNA SUPPLEMENT (STAPH/STREP)**

CE IVD

Specification

Sterile selective supplement the isolation of Gram positive cocci.

Presentation

	Packaging Details	Shelf Life	Storage
10 Freeze dried vials Vial with: 3 ± 0.1 g	23x50 mm glass vials, tag labelled, White plastic cap - 10 vials per box.	49 months	2-25 ºC

Composition

Compositon (g/vial)

Colistin sulphate.....0.0050
Nalidixic sodium salt.....0.0075

NOTE : Each vial is sufficient to supplement 500ml of medium Bllod A. 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 50ºC. 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 ± 2ºC for 24-48h.
Incubation times longer than those mentioned above or different incubation temperatures may be requied 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.

Quality control

Physical/Chemical control

Color : Off-white pH: at 25ºC

Microbiological control

Reconstitute 1 vial as indicated in COMPOSITION; shake and dissolve completely
Add 1 vial to 500 ml of medium base. DO NOT HEAT once supplemented.
Inoculate 30-300 CFU (productivity) 1.000-10.000 CFU (selectivity)

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

Incubate according instructions for complete medium indicated in COMPOSITION.

Aerobiosis. Incubation at 35ºC ± 2 ºC, reading at 24-48 hours

Microorganism	Growth
Stph. aureus ATCC® 25923, WDCM 00034	Good
Streptococcus pyogenes ATCC® 19615	Good
Escherichia coli ATCC® 25922, WDCM 00013	Inhibited

Sterility Control

Add 5 ml of the sample to:
100 ml TSB and 100 ml Thioglycollate.
Incubation 48 hours at 30-35 ºC and 48 hours at 20-25 ºC: NO GROWTH.

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>