Copro System Plus

System for detection and presumptive identification of intestinal pathogenic microorganisms directly from fecal sample



DETECTED MICROORGANISMS

- Salmonella spp
- Proteus spp
- Pseudomonas spp
- Yersinia enterocolitica
- Shigella spp
- Campylobacter jejunii
- Escherichia coli, E.coli O157
- Group KES microorganims
- Candida spp

ADVANTAGES

- Direct inoculation of clinical sample
- Easy procedure of use
- Results within 18-24 hours
- Confirmation with serum agglutination tests
- Evaluation of intestinal bacterial flora



Copro System Plus ref. 71675 20 test

IMMUNOLOGICAL CONFIRMATION TESTS

- Salmonella spb. by serum agglutination test SALMONELLA LATEX KIT
- Yersinia enterocolitica by serum agglutination test YERSINIA ENTER. ANTISERUM
- Shigella spp. by serum agglutination test SHIGELLA ANTISERUM
- E.coli 0157 by serum agglutination test E.COLI O 157 LATEX KIT
- Campylobacter jejunii by serum agglutination test CAMPYLOBACTER LATEX KIT

BIOCHEMICAL CONFIRMATION TESTS

- Escherichia coli indole test with **KOVAC'S Reagent**
- Pseudomonas spp. oxidase test **OXIDASE TEST DISCS**
- Group KES microorganisms acetoine test **VOGES PROSKAUER**

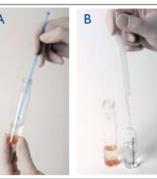
INTERPRETATION OF RESULTS

• Clear colour change of the wells with interpretation of the results after 18-24 hours incubation at 36±1°C

NECESSARY ITEMS NOT CONTAINED IN THE PACKAGE

- SALMONELLA LATEX KIT (ref. 96151)
- YERSINIA ENT. ANTISERUM (ref. 96147)
- SHIGELLA ANTISERUM (ref. 96148)
- E.COLI O 157 LATEX KIT (ref. 96150)
- CAMPYLOBACTER LATEX KIT (ref. 96143)
- OXIDASE TEST DISCS (ref. 88004)
- ENTEROSYSTEM 18R REAGENT (ref. 80252)

TEST PROCEDURE









A. Homogenize carefully 1g feces in a tube containing 5mL of Physiological

B. Transfer 0.2 mL of homogenized sample into a vial of Physiological Solution (Inoculum solution).

Transfer 0.2 mL (4 drops) of the Inoculum Solution into each wells of the system.

Cover the wells 1-LDC, 2-ORN, 3-H₂S, 6-UR with two drops of vaseline oil and incubate at 36±1°C for 18-24 hours.







Perfom the serum agglutination test of the microbial culture from the well 4-SAL for confirming the presence of Salmonella spp.

Watch for the appearance of a clear agglutination

(Positive reaction).

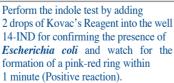
Perform the oxidase test by adding an OXIDASE TEST DISC into the well 8-OX for confirming the presence of Pseudomonas spp. and watch for the formation of a blue-purple colouring within 2 minutes (Positive reaction).

Perfom the specific serum agglutination test of the microbial culture from the wells 10-YER, 11-SHI, 12-CAM for confirming the presence of

Yersinia enterocolitica, Shigella spp and Campylobacter jejunii.

Watch for the appearance of a clear agglutination (Positive reaction).







Perform the Voges Proskauer test by 2 drops of alpha-naphtol and 1 drop of NaOH 40% into the well 16-VP, for confirming the presence of group KES microorganisms and watch for the formation of a pink-red colouring within 15-20 minute (Positive reaction).



Take a drop from the well 18-OBS, deposit it on a glass slide, cover it, and watch for chlamydospores and mycelial hyphae at the microscope (40x) for confirming the presence of Candida spp.



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