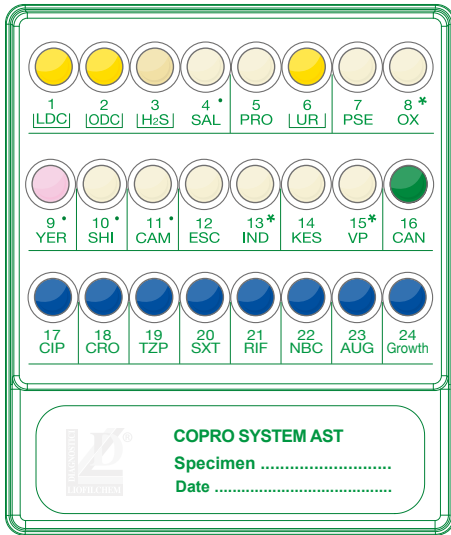


COPRO SYSTEM AST

System for detection, identification and susceptibility testing for intestinal pathogenic bacteria directly from fecal specimen

Liofilchem® and the Liofilchem company logo are registered trademarks of LIOFILCHEM s.r.l.



★ Clinical Specimens

Fecal specimen, rectal swabs.

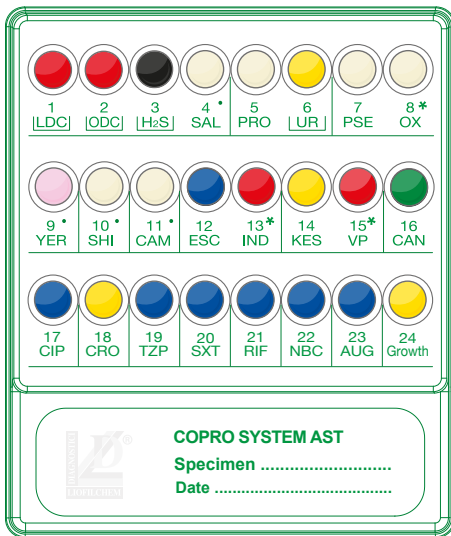
★ Direct microbial identification

- Pathogenic microorganisms

Salmonella spp., *Proteus* spp., *Pseudomonas* spp.,
Yersinia enterocolitica, *Shigella* spp., *Campylobacter jejunii*,
Escherichia coli O157, *Klebsiella* spp., *Candida* spp.

- Evaluating the intestinal flora

Escherichia coli, *Enterobacter* spp.

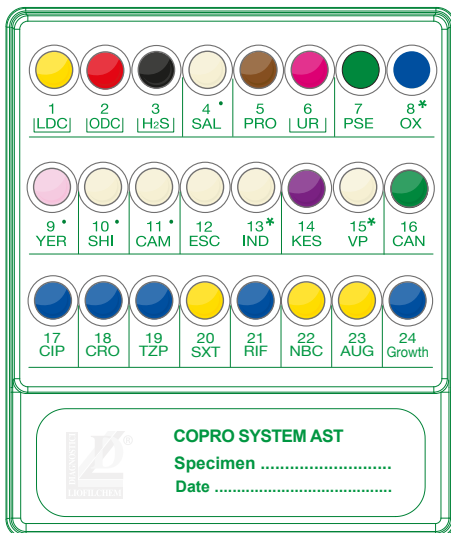


★ Antimicrobial Susceptibility Testing

Ciprofloxacin, Ceftriaxone,
Piperacillin/tazobactam,
Trimethoprim/sulfamethoxazole,
Rifampicin, Neomicin/bacitracin,
Amoxicillin/clavulanic acid.

★ Benefits

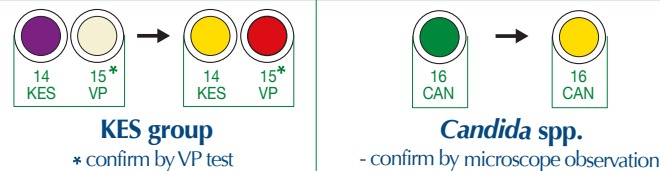
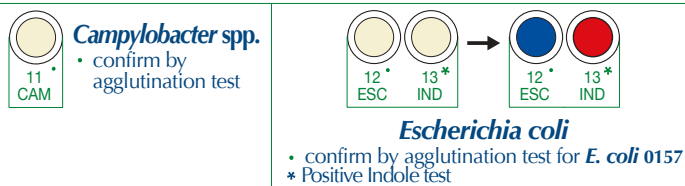
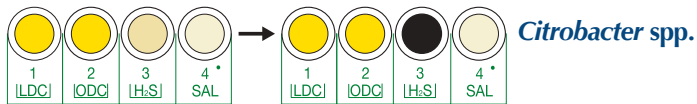
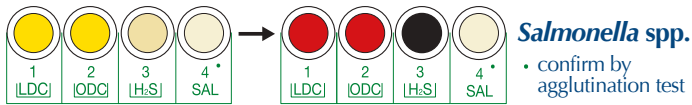
- ✓ Complete diagnosis
- ✓ Save time and labor with direct testing
- ✓ Results in 18-24 hours
- ✓ Confirmation with latex agglutination tests
- ✓ Clear and well defined color changes
- ✓ Easy interpretation



COPRO SYSTEM AST

RESULTS

Identification



Antimicrobial Susceptibility Testing



DESCRIPTION	PACKAGING	REF.
COPRO SYSTEM AST	20 tests	71671
ENTEROSYSTEM 18R REAGENT	100 tests	80252
OXIDASE TEST DISCS	30 discs	88004
SALMONELLA LATEX KIT	50 tests	96151
YERSINIA ENTER. ANTISERUM	50 tests	96147
SHIGELLA ANTISERUM	50 tests	96148
CAMPYLOBACTER LATEX KIT	50 tests	96143
E. COLI 0157 LATEX KIT	50 tests	96150

TEST PROCEDURE



1

- Carefully homogenize 1g feces in a tube containing 5ml of Physiological Solution
- Transfer 0,2 ml of homogenized sample into a vial of Physiological Solution (Suspension A)



2

- Transfer 0,2 ml of the Suspension A into a vial of Suspension Medium contained in the kit (Suspension B)



3

- Transfer 0,2 ml of the Suspension A into the wells from 1-LCD to 16-CAN (Identification)
- Transfer 0,2 ml of the Suspension B into the wells from 17-CIP to 24-Growth (Susceptibility Testing)



4

- Add 1 drop of vaseline oil to the well to the wells 1-LCD, 2-ODC, 3-H₂S, 6-UR and incubate at 36±1°C for 18-24 h
- Add the Kovac's Reagent to the well 13-IND and the VP Reagent to the well 14-VP for confirming the relevant ID



5

- Perform the oxidase test into the well 8-OX for confirming *Pseudomonas* spp.
- Perform the serum agglutination test for confirming the presence of *Salmonella* spp., *Yersinia enteroc.*, *Shigella* spp., *Campylobacter jejunii* and *E.coli* O157



6

- Confirm *Candida* spp. by microscope (400x) observation
- Note down the test results on the form provided in the kit