

# COPRO SYSTEM



## SYSTEM FOR DETECTION AND PRESUMPTIVE IDENTIFICATION OF PATHOGENIC INTESTINAL MICROORGANISMS

\* DIRECT INOCULATION FROM FAECAL SUSPENSION, WITHOUT ENRICHMENT BROTHS

\* RESULTS IN 18-24 HOURS AFTER INCUBATION AT  $36 \pm 1$  °C

\* EVALUATION OF MICROORGANISMS PRESENCE:

- INTESTINAL PATHOGENS (*Salmonella*, *Yersinia*, *Serratia*, *Candida*)
- OPPORTUNISTIC PATHOGENS (*Proteus*, *Pseudomonas*, *Citrobacter*)
- SAPROPHYTES (*E. coli*, *Enterobacter*)



## PRESUMPTIVE IDENTIFICATION OF SAPROPHYTES AND PATHOGENIC INTESTINAL MICROORGANISMS

The presence of *Salmonella* spp is shown by colour change of wells:

- 1 - LDC from yellow to red
- 2 - H<sub>2</sub>S from yellow to black

### Salmonella spp.



Positive



Negative

The presence of *Citrobacter* spp is shown by colour change of well:

- 2 - H<sub>2</sub>S from yellow to black

### Citrobacter spp.



Positive



Negative

The presence of *Proteus/Providencia* spp is shown by colour change of wells:

- 2 - H<sub>2</sub>S from yellow to black
- 3 - UR from yellow to red - fuchsia
- 4 - PRO from yellow to black

### Proteus / Providencia spp.



Positive



Negative

The presence of *Pseudomonas* spp is shown by colour change of well:

- 5 - PSE from yellow to green

### Pseudomonas spp.



Positive



Negative

The presence of *Yersinia enterocolitica* is shown by colour change of wells:

- 3 - UR from yellow to red - fuchsia
- 6 - YER from pink to turbid red

### Yersinia Enterocolitica



Positive



Negative

The presence of *Escherichia coli* is shown by colour change of well: 7 - ESC from red to blue

### Escherichia coli



Positive



Negative

### KES Group (*Klebsiella*, *Enterobacter*, *Serratia*)



Positive



Negative

The presence of KES Group is shown by colour change of well: 8 - KES from violet to yellow

The presence of *Candida* spp is shown by colour change of well:

- 9 - CAN from green to yellow

### Candida spp



Positive



Negative



**LIOFILCHEM Bacteriology Products**

Via Scozia - Zona Ind.le - 64026 ROSETO D. A. (TE) ITALY - Phone +39 085 8930745 - Fax +39 085 8930330

Internet: [www.liofilchem.net](http://www.liofilchem.net) - E-mail: [liofilchem@liofilchem.net](mailto:liofilchem@liofilchem.net)

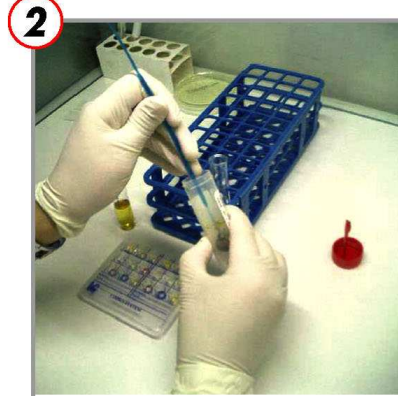


F 52366 - Rev. 0 - 10/11/05

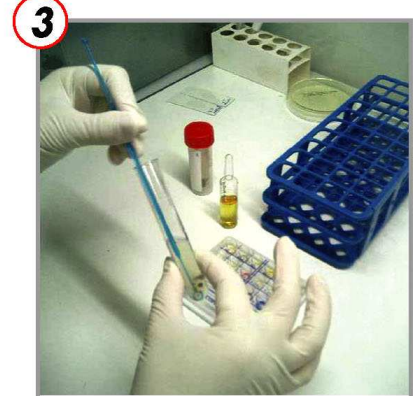
## TEST PROCEDURE



From the left: feces specimen, inoculum solution vial, tube containing 5 mL of Physiological Solution.  
Below: **COPRO SYSTEM**.  
(The system is set for two tests).



Homogenize carefully a portion of feces of roughly 1 g in a tube containing 5 mL of Physiological Solution.



Shake and wait 5 minutes before inoculation.



Dispense 0.2 mL (4 drops) of homogenized sample into the Inoculum Solution, shake and wait 5 minutes before inoculating.



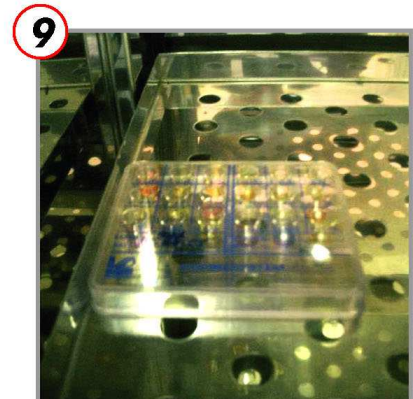
Transfer 0.2 mL (4 drops) of sample suspension in examination into each well of the system.



Cover wells 1-LDC, 2-H<sub>2</sub>S, 3-UR with three drops of vaseline oil for microbiological use.



Cover the system with the provided lid.



Incubate in thermostat at 36 ± 1 °C for 18-24 hours.