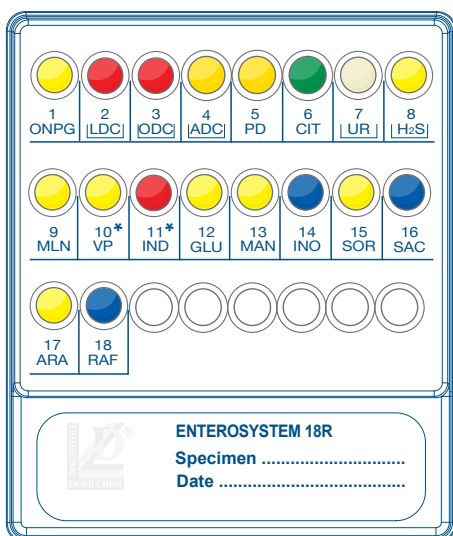
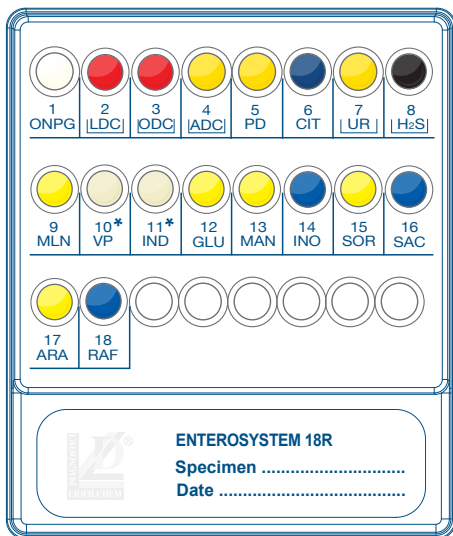
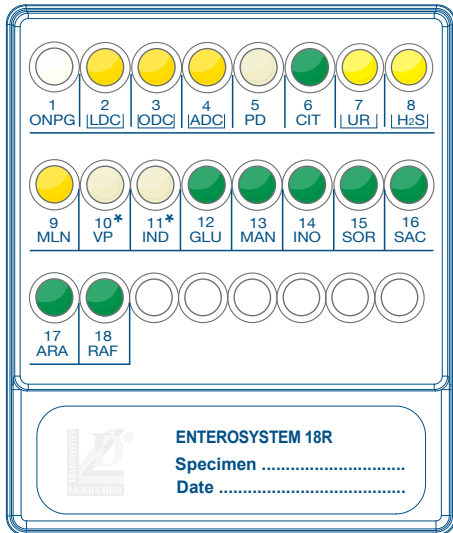


# ENTEROSYSTEM 18R

Biochemical Identification of Gram-negative, oxidase-negative Enterobacteria

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



## Microorganism Identification 18 biochemical substrates

*Escherichia coli*, *Edwardsiella tarda*,  
*Shigella dysenteriae*, *flexneri*, *boydii*, *sonnei*,  
*Citrobacter freundii*, *diversus*, *amalonaticus*,  
*Salmonella*, *typhi*, *cholerae suis*, *paratyphi A*,  
*Salmonella arizonae*, *Salmonella pullorum*,  
*Klebsiella pneumoniae*, *oxytoca*, *ozaenae*,  
*Klebsiella rhinoscleromatis*,  
*Enterobacter aerogenes*, *cloacae*, *agglomerans*  
*Enterobacter sakazakii*, *Enterobacter alvei*,  
*Serratia liquefacens*, *marcescens*, *rubidaea*,  
*Serratia odorifera*, *Serratia plymuthica*,  
*Proteus vulgaris*, *mirabilis*, *penneri*, *Morganella morganii*,  
*Providencia rettgeri*, *stuartii*, *alcalifaciens*, *rustigiani*,  
*Yersinia enterocolitica*, *pestis*, *intermedia*,  
*Yersinia pseudotuberculosis*

## Benefits

- ✓ Complete identification
- ✓ Cost effective
- ✓ Results ready in 12-18-24 hours
- ✓ Clear and well defined color changes
- ✓ Easy interpretation
- ✓ Automatic reading available

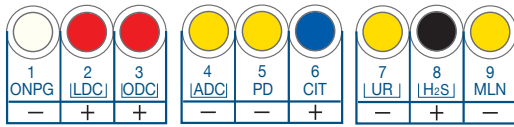


www.liofilchem.net

# ENTEROSYSTEM 18R

## RESULTS

### Identification

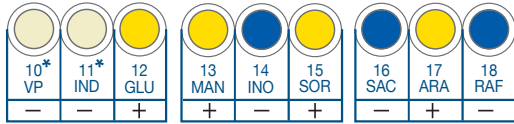


0 2 4  
| 1 3  
6

0 0 4  
| 1 3  
4

0 2 0  
| 1 3  
2

ID code: 642452  
*Salmonella* spp.

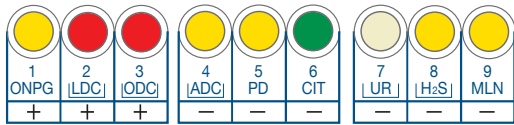


0 0 4  
| 1 3  
4

1 0 4  
| 2 3  
5

0 2 0  
| 1 3  
2

ID code: 700652  
*Escherichia coli*

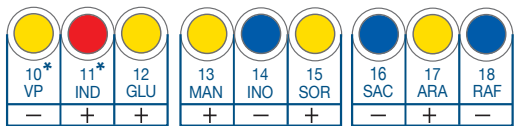


1 2 4  
| 1 3  
7

0 0 0  
| 1 3  
0

0 0 0  
| 1 3  
0

ID code: 700652  
*Escherichia coli*

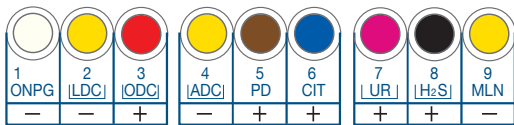


0 2 4  
| 1 3  
6

1 0 4  
| 2 3  
5

0 2 0  
| 1 3  
2

ID code: 463400  
*Proteus mirabilis*

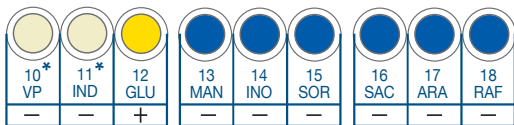


0 0 4  
| 1 3  
4

0 2 4  
| 1 3  
6

1 2 0  
| 1 3  
3

ID code: 463400  
*Proteus mirabilis*



0 0 4  
| 1 3  
4

0 0 0  
| 1 3  
0

0 0 0  
| 1 3  
0

DESCRIPTION	PACKAGING	REF.
ENTEROSYSTEM 18R	20 tests	71618
ENTEROSYSTEM 18R REAGENT	100 tests	80252
CODE BOOK	1	71710

## TEST PROCEDURE



1

- Take one or more isolated colonies and suspend in to the vial of Physiological Solution for obtaining 0.5 McFarland turbidity.



2

- Dispense 0.2 mL of the bacterial suspension in each well of the system.



3

- Cover the wells 2-LDC, 3-ODC, 4-ADC, 7-UR and 8-H<sub>2</sub>S with one drop of vaseline oil, and incubate at 36±1°C for 12-18-24 hours.



4

- After the incubation, add VP Reagent to the well 10-VP and the Kovac's Reagent to the well 11-IND for confirming the relevant ID.



5

- The microorganism is identified by a numerical code obtained summing the positive values of each reaction group.



6

- Note down the test results on the form provided in the kit, or read and interpret with **automatic readers**.