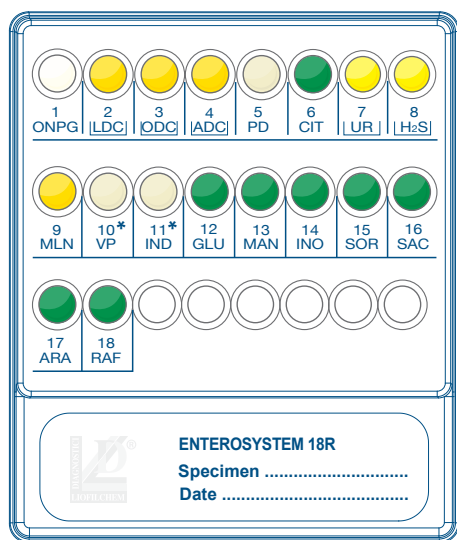


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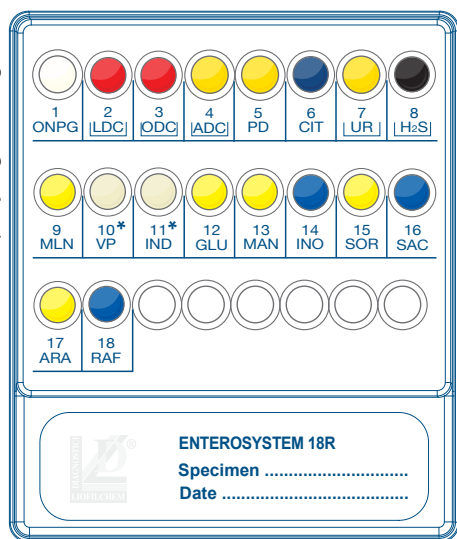
Biochemical Identification of Gram-negative, oxidase-negative Enterobacteria

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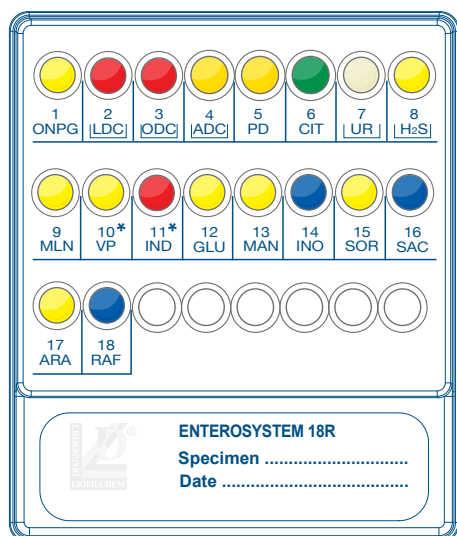
★ Microorganism Identification 18 biochemical substrates

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



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RESULTS

Identification

1 ONPG	2 LDC	3 ODC	4 ADC	5 PD	6 CIT	7 UR	8 H ₂ S	9 MLN
—	+	+	—	—	+	—	+	—

0 2 4
|
6

0 0 4
|
4

0 2 0
|
2

ID code: 642452
Salmonella spp.

10* VP	11* IND	12 GLU	13 MAN	14 INO	15 SOR	16 SAC	17 ARA	18 RAF
—	—	+	+	—	+	—	+	—

0 0 4
|
4

1 0 4
|
5

0 2 0
|
2

1 ONPG	2 LDC	3 ODC	4 ADC	5 PD	6 CIT	7 UR	8 H ₂ S	9 MLN
+	+	+	—	—	—	—	—	—

1 2 4
|
7

0 0 0
|
0

0 0 0
|
0

ID code: 700652
Escherichia coli

10* VP	11* IND	12 GLU	13 MAN	14 INO	15 SOR	16 SAC	17 ARA	18 RAF
—	+	+	+	—	+	—	+	—

0 2 4
|
6

1 0 4
|
5

0 2 0
|
2

1 ONPG	2 LDC	3 ODC	4 ADC	5 PD	6 CIT	7 UR	8 H ₂ S	9 MLN
—	—	+	—	+	+	+	+	—

0 0 4
|
4

0 2 4
|
6

1 2 0
|
3

ID code: 463400
Proteus mirabilis

10* VP	11* IND	12 GLU	13 MAN	14 INO	15 SOR	16 SAC	17 ARA	18 RAF
—	—	+	—	—	—	—	—	—

0 0 4
|
4

0 0 0
|
0

0 0 0
|
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-H₂S 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**.