

Catalog No. M-0500



U.S. Patent 6,416,970

6,051,391

6,068,988

European Patent 0949266

R & F[®] *Listeria monocytogenes* Chromogenic Detection System

A Highly Selective Differential System For Identifying
Listeria monocytogenes

**COLLABORATIVELY
VALIDATED BY FDA**

**FDA
RECOMMENDED**

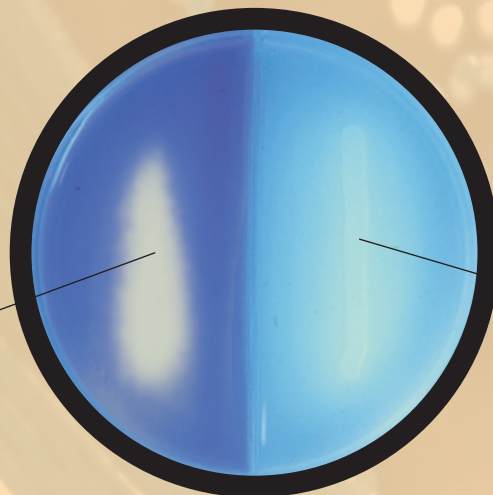
Incubated at 35°C
for 48 hours



Listeria innocua

Listeria monocytogenes

R & F[®] *Listeria monocytogenes* Chromogenic Plating Medium
(Licensed From Biosynth)



Acid production
from rhamnose

Fluorescence

R & F[®] *Listeria monocytogenes* Confirmatory Medium

Product contains BIOSYNTH AG
patented substrate (PCT/EP98/01091)

R & F® *Listeria monocytogenes* Chromogenic Plating Medium incubated at 35°C for 48 hours

Bacterial Species	Number of Strains	Colonial Morphology
<i>Listeria monocytogenes</i>	110	Turquoise convex colonies; 1-2.5 mm ± Turquoise halos
<i>Listeria ivanovii</i>	4	Turquoise convex colonies; 1-5 mm Dark Turquoise halos
<i>Listeria innocua</i>	43	White convex colonies; 1-2 mm; No precipitates or halos
<i>Listeria seeligeri</i>	4	White convex colonies; 1-2 mm; No precipitates or halos
<i>Listeria welshimeri</i>	3	White convex colonies; 2 mm; No precipitates or halos
<i>Listeria grayi</i>	1	White convex colonies; 1 mm; No precipitates or halos
<i>Enterococcus</i> sp.	6	White pinpoint colonies; < 1 mm; No surrounding precipitate; 2 strains no growth
<i>Bacillus cereus/thuringiensis</i>	12	No growth
Gram positive sp.*	7	No growth
Gram negative sp.**	17	No growth

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* Includes: *Bacillus circulans*, *Staphylococcus aureus*, and *epidermidis*

** Includes: *E. coli* (4 strains) and *E. coli* O157:H7 (1 strain) plus 10 other common Gram neg. genera

ORDERING INFORMATION:

M-0500 R & F® *Listeria monocytogenes* Chromogenic Plating Medium

M-0510 R & F® *Listeria monocytogenes* Supplement for Plating Medium

M-0550 R & F® *Listeria monocytogenes* Chromogenic Detection System

M-520 R & F® *Listeria monocytogenes* Confirmatory Medium

R & F Products, Inc.
2725 Curtiss Street
Downers Grove, IL 60515

Phone: 630.969.5300
Fax: 630.969.5303
E-mail: rf_labs@sbcglobal.net
Web Site: www.rf-labs.com

Advantages of R & F® *Listeria monocytogenes* Chromogenic Detection System

- FDA Recommended & Collaboratively Validated by FDA
- Chromogenic reactions identifying a specific virulence factor, i.e. phosphatidylinositol-specific phospholipase C
- The highly differential system identifies only the pathogenic *Listeria* species, *Listeria monocytogenes* and *Listeria ivanovii*
- Unlike selective/differential agars that depend on esculinase activity (Oxford, Palcam) wherein the entire plate turns black by any *Listeria* species, the water insoluble chromogen formed in this system colors only *Listeria monocytogenes* and *Listeria ivanovii* colonies
- Rapid and convenient fluorogenic test differentiates *Listeria monocytogenes* from *Listeria ivanovii* after 6 hours

References

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