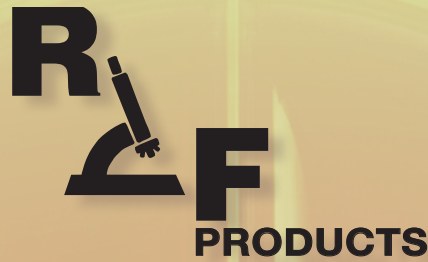


Catalog No. M-0700

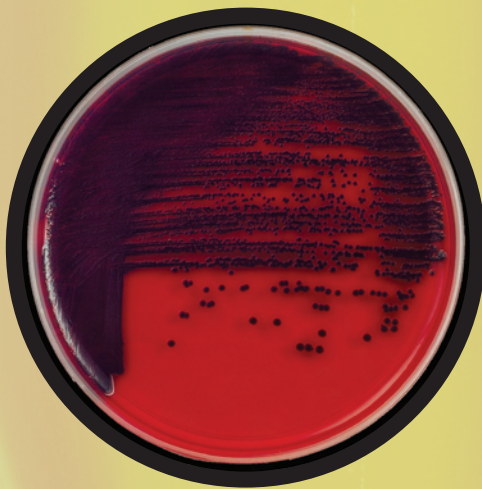


Patent Applied

R & F[®] *Enterobacter sakazakii* Chromogenic Plating Medium

A Selective/Differential Plating Medium For Identifying
Enterobacter sakazakii

Presumptively positive colonies of *Enterobacter sakazakii* appear as blue-black to blue-gray raised to domed colonies 1.0 to 2.0 mm in diameter with or without colorless halos after 24 hours at 35°C

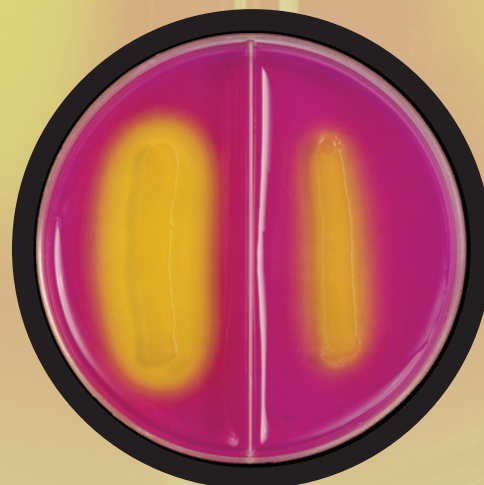


Enterobacter sakazakii
(Pure Culture)



Enterobacter sakazakii
+*Salmonella* (Yellow)
+*Escherichia coli* (Green)

Melibiose



Sucrose

Enterobacter sakazakii Screening Medium
After 6 hours at 35°C - Acid Production from both Sugars

Table: Selective and Differential Properties of R & F® *Enterobacter sakazakii* Chromogenic Plating Medium Incubated at 35°C for 24 hours

Organism	Colonial Morphology
<i>Enterobacter sakazakii</i> (43 strains)	Blue-black raised to domed colonies 1-2.0 mm diameter ± clear halos; One strain <1.0 mm diameter and one strain blue-gray
<i>Enterobacter aerogenes</i>	Yellow domed colonies 1-1.5 mm diameter with clear halos
<i>Enterobacter gergoviae</i>	White to light gray domed colonies 1-2.0 mm diameter with clear halos
<i>Pantoea species</i> (2 strains)	White to yellow domed colonies 1-1.5 mm diameter with clear halos
<i>Pantoea</i> (1 strain)	Blue-gray colonies 1.0 mm diameter without clear halo
<i>Escherichia coli</i>	White to green raised colonies 2.0 mm diameter with clear halos
<i>Escherichia coli</i> H ₂ S positive	White to yellow domed colonies 2.0 mm diameter with clear halos
<i>Escherichia coli</i> O15:H7 (12 strains)	Clear to white and flat or raised colonies 1-2.0 mm diameter ± clear halos
<i>Escherichia hermannii</i>	Clear to yellow raised or domed colonies 1-1.5 mm diameter ± clear halos
<i>Citrobacter freundii</i>	Clear to white domed colonies 2.0 mm diameter with clear halos
<i>Klebsiella ozaenae</i>	Green to yellow domed colonies 1-1.5 mm diameter with clear halos
<i>Klebsiella pneumoniae</i>	Green to yellow domed colonies 1.0 mm diameter without clear halos
<i>Morganella morganii</i>	Clear flat colonies 1.0 mm diameter without clear halos
<i>Morganella rettgeri</i>	Yellow raised colonies 2.0 mm diameter with clear halos
<i>Providencia stuartii</i>	Clear flat colonies 1-1.5 mm diameter without clear halos
<i>Salmonella</i> (5 species)	White to yellow domed colonies 1-2 mm diameter with clear halos
<i>Shigella dysenteriae</i>	Clear to white domed colonies 1-1.5 mm diameter with clear halos
<i>Shigella flexneri</i>	Clear to white raised colonies 1-1.5 mm diameter with clear halos
<i>Shigella sonnei</i> (3 strains)	Blue-black or blue-gray flat or raised colonies 1.5-2.0 mm diameter with clear halos
<i>Shigella boydii</i>	Clear to white raised colonies 1.0 mm diameter without clear halos
<i>Pseudomonas aeruginosa</i>	Clear flat colonies < 1.0 mm diameter without clear halos
<i>Hafnia alvei</i>	Clear flat colonies 1.0 mm diameter without clear halos
<i>Listeria</i> (4 species), <i>Bacillus cereus</i> ; plus <i>Streptococcus</i> , <i>Enterococcus</i> , and <i>Staphylococcus</i> species	No growth for all Gram-positives tested

Advantages of R & F® *Enterobacter sakazakii* Chromogenic Plating Medium

- A chromogenic plating medium that isolates *Enterobacter sakazakii* whereas similar bacteria are either differentiated or inhibited
- More specific and sensitive than the FDA recommended Violet Red Bile Glucose Agar
- An *Enterobacter sakazakii* Screening Medium for preliminary confirmation - saving time and costs
- Easily prepared from powder with prepared plates stable for at least 45 days in the dark at 2-8°C

ORDERING INFORMATION:

M-0700 R & F® *Enterobacter sakazakii* Chromogenic Plating Medium

M-0710 R & F® *Enterobacter sakazakii* Supplement for Plating Medium

M-0750 R & F® *Enterobacter sakazakii* Chromogenic Detection System

M-0720 R & F® *Enterobacter sakazakii* Screening Medium for Preliminary Confirmation

M-0780 R & F® *Enterobacter sakazakii* Supplement for Screening Medium

M-0790 R & F® *Enterobacter sakazakii* Screening Medium Detection System

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Reference: Restaino, L., E. W. Frampton, W.C. Lionberg, and R. J. Becker. 2006. A chromogenic plating medium for the isolation and identification of *Enterobacter sakazakii* from foods, food ingredients and environmental sources. *J. Food Prot.* 69:315-322.

Chen et al. 2009. Evaluation of a revised U.S. Food and Drug Administration method for the detection and isolation of *Enterobacter sakazakii* in powdered infant formula: Precollaborative Study. *J. AOAC International.* 92:862-872.