



3050 Spruce Street
Saint Louis, Missouri 63103 USA
Telephone 800-325-5832 • (314) 771-5765
Fax (314) 286-7828
email: techserv@sia.com
sigma-aldrich.com

Product Information

Egg Yolk Emulsion

Product Code **E 7899**

Storage Temperature 2-8 °C

Product Description

A sterile, stabilized emulsion of egg yolk is recommended for use as an additive in selective growth media. Proteolytic bacteria produce a clear zone around the colony in a medium containing egg yolk.

Components

Item	ml
Egg Yolk	30.0
Sterile Saline	70.0

Precautions and Disclaimer

For laboratory use only, not for drug, household, or other uses. Please consult the Material Safety Data Sheet for information regarding hazards and safe handling practices.

Preparation Instructions

Aseptically add 50 ml of the Egg Yolk Emulsion to 950 ml of Baird-Parker Agar Base (Product Code B 1051), *Bacillus Cereus* Agar Base (Product Code B 2176), or *Perfringens* Agar Base (Product Code P 7226). With MYP Agar Base (Product Code M 1928) or *C. botulinum* Agar Base (Product Code C 8345) add 100 ml of the Egg Yolk Emulsion to 900 ml of the medium. Mix well and pour into sterile petri plates.

Storage Temperature

It is recommended to store the product at 2-8 °C.

Product Profile

Appearance Yellow colored, milky, viscous solution with a characteristic odor. May contain a precipitate that can be resuspended.

Cultural Response Cultural characteristics observed after 24-48 hours at 35 °C when Egg Yolk Emulsion (50ml/L of agar) is used in Baird-Parker Agar Base (Product Code B 1501) with 3.5% Potassium Tellurite Solution (Product Code P 9227) (3ml/L of agar).

Organisms (ATCC) ¹	Growth	Color of colony	Lecithinase
<i>Proteus mirabilis</i> (25933)	good to luxuriant	brown-black	-
<i>Staphylococcus aureus</i> (25923)	good to luxuriant	grey-black shiny	+
<i>Staphylococcus epidermidis</i> (12228)	poor to good	black	-
<i>Micrococcus luteus</i> (10240)	poor to good	very small in shades of brown-black	-
<i>Bacillus subtilis</i> (6633)	none to poor	dark brown matt	-
<i>Escherichia coli</i> (25922)	none to poor	large brown black	-

References

1. American Type Culture Collection, Manassas Va., U.S.A

SU/MAM 9/03

Sigma brand products are sold through Sigma-Aldrich, Inc.

Sigma-Aldrich, Inc. warrants that its products conform to the information contained in this and other Sigma-Aldrich publications. Purchaser must determine the suitability of the product(s) for their particular use. Additional terms and conditions may apply. Please see reverse side of the invoice or packing slip.