

## PRODUCT INFORMATION

M9 Minimal Salts

Cat. No. M13-130

### DESCRIPTION

M9 Minimal Salts, with additions of selected carbon and energy sources (e.g. Dextrose), is used to prepare M9 Minimal Medium, which is used to cultivate recombinant strains of *Escherichia coli*.

### FORMULA (g/L)

Sodium Phosphate, Dibasic	6.0 g	Ammonium Chloride	1.0 g
Sodium Phosphate, Monobasic	3.0 g		

Final pH: 7.0 ± 0.2 at 25 °C

\*Grams per liter may be adjusted or formula supplemented to obtain desired performance.

### PREPARATION

Mix 10 grams of the medium in one liter of purified water until evenly dispersed. Distribute and autoclave at 121°C for 15 minutes. Cool to room temperature and aseptically add 20 mL/L of a filter sterilized 2% solution of a carbon/energy source such as dextrose and 2 mL/L of a sterile 1M solution of MgSO<sub>4</sub>. CaCl<sub>2</sub> may also be added using a sterile 1M solution at 0.1 mL/L media.

### QUALITY CONTROL SPECIFICATIONS

1. The powder is homogenous, free flowing and white.
2. Visually the prepared medium is colorless and without precipitate.
3. Expected cultural response after 20-24 hours at 35 °C.

ORGANISM	RESULT
<i>Escherichia coli</i> ATCC 23724	Good Growth
<i>Escherichia coli</i> ATCC 33694	Good Growth
<i>Escherichia coli</i> ATCC 33849	Good Growth
<i>Escherichia coli</i> ATCC 39403	Good Growth

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<i>Escherichia coli</i> ATCC 47014	Good Growth
<i>Escherichia coli</i> ATCC 53868	Good Growth

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## **STORAGE**

Store the sealed bottle containing the dehydrated medium at 2 to 30°C. Once opened and recapped, place the container in a low humidity environment at the same storage temperature. Protect it from moisture and light. The dehydrated medium should be discarded if it is not free flowing or if the color has changed from the original color.