

Glucose M9Y

Glucose M9Y medium, used to cultivate *E. coli*, is a minimal medium formulation supplemented with yeast extract. It is based on M9 salts⁶ with a pH of 6.9±0.2 and employs glucose as the carbon source. Alternative carbon sources may be substituted. Buffering is provided by a sodium-potassium phosphate system. Ammonium chloride provides a nitrogen source. Yeast extract is added to improve the protein production capacity of the medium and to permit cultivation of auxotrophic strains by supplying a source of amino acids, vitamins and minerals. This differs from the traditional formulation of glucose M9, which employs casamino acids. Our experience has shown that yeast extract typically gives higher yields of recombinant proteins than casamino acids. Glucose M9Y powder is supplied with a separate Glucose Nutrient Mix.

Glucose M9Y™	Powder.....	0108.....	500 g
.....	Liquid, Ready-to-Use.....	0119.....	5 x 500 ml

⁶ Anderson, E. H. 1946. Growth requirement of virus-resistant mutants of *Escherichia coli* strain B. Proc. Natl. Acad. Sci. USA 32:120-128.