

## SOC Medium

**Catalog #:** 340-031-671 10 x 10mL  
340-031-671EA 10mL

**Store at:** 15°C to 30°C  
**Shipped at:** ambient temperature

### Description

Quality Biological's (QBI) SOC Medium is prepared from reagent grade potassium chloride (KCl), sodium chloride (NaCl), D-glucose, tryptone, and yeast extract using QBI's Cell Culture Grade. The final product is filtered through a 0.45µm filter and sterilized by autoclaving.

### Applications

- Preparation of DH of *E. coli* strains<sup>3</sup>

### Directions

Immediately prior to use, add 10mL of 2M MgCl<sub>2</sub> per liter of SOC Medium for a final concentration of 20mM of Mg<sup>2+</sup>

### Quality Control

#### General

All Quality Biological products for Molecular Biology are prepared according to standard published protocols.<sup>1,2</sup> All products are subjected to a variety of quality control procedures, including pH and osmolality determinations in order to validate the product is within its specifications.

*The test results of individual lots of SOC Medium are available on the Quality Biological website.*

### References

1. Sambrook, J., Fritsch, E.F. & Maniatis, T. (1989) *Molecular Cloning, A Laboratory Manual*, 2<sup>nd</sup> Ed. Cold Spring Harbor Laboratory Press.
2. Ausubel, F.M. et al., eds. (1993) *Current Protocols in Molecular Biology*. Greene Publishing Associates, Inc. in association with John Wiley & Sons, Inc.
3. Hanahan, D. (1983), *J. Molec. Biol.*, **166**, 557-580.

### Related Products

#### Magnesium Chloride, 2M

**Catalog #** 340-034-721 4 x 100mL  
340-034-721EA 100mL

#### Cell Culture Grade Water, Ultra Pure

**Catalog #** 118-162-101 500mL  
118-162-101CS 10 x 500mL  
118-162-131 1000mL  
118-162-131CS 10 x 1000mL  
118-162-151 10 Liters  
118-162-161 20 Liters

**All products sold by Quality Biological, Inc. are intended for research use only. This product has not been approved for diagnostic or IVD use.**