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## **Product Information**

### **LB Broth with agar**

#### ***Product information for SD7003:***

#### **Description**

Miller's LB is a highly-referenced microbial growth medium used for the cultivation of *E. coli*. This nutrient-rich microbial broth contains peptides, amino acids, water-soluble vitamins, and carbohydrates. The addition of agar provides a solid medium for microbial growth.

#### **Features and Benefits**

Miller's LB powder with agar provides:

- Easy scale-up using larger package sizes
- A budget-friendly alternative to pre-poured plates
- Standard formulation

#### **Components**

Agar	15g/L
Tryptone	10g/L
NaCl	10g/L
Yeast Extract	5g/L

#### **Application**

Suitable for non-selective cultivation of *E. coli* strains for cloning, DNA plasmid production and production of recombinant proteins. Also suitable for selective cultivation when appropriate antibiotics are added.

#### **Usage**

Add 40g powder to 1L water. Heat to boiling while stirring to dissolve powder. Autoclave for 15 minutes at 121°C to sterilize. Allow to cool slightly before making additions, such as antibiotics (if desired).