



## ***YPD Broth***

### **LAB 175**

#### **Description**

A nutritious broth base recommended for the maintenance and propagation of yeasts widely used in gene insertion techniques. Glucose is included to promote rapid growth.

Formula	g/litre
Tryptone	20.0
Yeast extract	10.0
Glucose	20.0

#### **Method for reconstitution**

Weigh 50.0 grams of powder and disperse in 1 litre of deionised water. Allow the mixture to soak for 10 minutes, swirl to mix and dispense into final containers. Sterilise by autoclaving at 121°C for 15 minutes.

**Appearance:** Dark straw, clear liquid.

**pH:**  $6.5 \pm 0.2$

Minimum QC organisms: *Saccharomyces cerevisiae*

**Storage of Prepared Medium:** Capped containers – up to 3 months at 15-20°C in the dark.

**Inoculation:** As per normal techniques, using a pure culture of strain to be cultivated.

**Incubation:** 37°C aerobically for 16-18 hours.

**Interpretation:** Examine all tubes for turbidity, indicating growth.