

1.Prepared the medium

LB-medium: Yeast extract 5g/L, Tryptone 10g/L, NaCl 10g/L

Autoinduction medium:

The media include: media components, buffer components and induction components.

Media components

Composition	Weight
Peptone (aus Casein, Roth)	12 g
Yeast extract (Merck)	24 g
Glycerol (Roth)	5 g
Add dd. H ₂ O to 800 mL	

Buffer components

Composition	Volume
Kpi-Buffer, pH 7, 1 M	
K ₂ HPO ₄ / KH ₂ PO ₄ (Roth, v:v=2:1)	90 mL

Induction components

Composition	Volume
50 g/L Glucose·H ₂ O (Biochemica Applichem)	10 mL
20 g/L Lactose [α -Lactose monohydrate (Sigma)]	100 mL

Autoclave each component separately

Mix components to 1 L of medium (sterile work):

Composition	Volume
Media component	800 mL
Buffer component	90 mL
Glucose stock	10 mL
Lactose stock	100 mL
Total	1000 mL