

ภาคผนวก

ภาคผนวก

การเตรียมสารเคมี

Luria Bertani Medium (LB) 1,000 ml, pH 7.0

NaCl	10	g
Tryptone	10	g
Yeast extract	5	g
Agar	20	g

SDS-PAGE

Stacking gel (4%)

30% Acrylamide+0.8% Bis-Acrylamide	400	μl
0.5 M Tris-HCl pH 6.8	750	μl
10% SDS (Sodium Dodecyl Sulfate)	50	μl
Deionized water	1,570	μl
1% Ammonium persulfate	75	μl
TEMED (N,N,N',N'-tetramethylethylenediamide)	6	μl

Separating gel (13%)

30% Acrylamide+0.8% Bis-Acrylamide	2,700	μl
0.5 M Tris-HCl pH 8.8	1,500	μl
10% SDS (Sodium Dodecyl Sulfate)	100	μl
Deionized water	1,115	μl
1% Ammonium persulfate	100	μl
TEMED (N,N,N',N'-tetramethylethylenediamide)	10	μl

5x Electrode Buffer 600 ml, pH 8.3

Tris-HCl	9	g
Glycine	43.2	g
Sodium Dodecyl Sulfate	30	ml

Coomassie brilliant blue

Coomassie brilliant blue	0.2	g
Methanol	80	ml
Acetic acid	20	ml

Destain Coomassie brilliant blue

Methanol	200	ml
Acetic acid	50	ml

0.2 M potassium phosphate buffer saline (PBS) 1,000 ml, pH 7.4

KH ₂ PO ₄	5.2	g
Na ₂ HPO ₄	22.96	g
NaCl	17.42	g

1X Towbin buffer

Tris-HCl	4.54	g
Glycine	21.6	g
Methanol	300	ml

Tris buffer saline (TBS) 1,000 ml, pH 7.5

Tris-HCl	3.02	g
NaCl	29.22	g