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APPENDIX

Appendix I

Gel preparation

Resolving or Seperating gel

	Final acrylamide concentration (%)[a]			
Stock solution	7.5	10.0	12.5	15.0
Acrylamide-bisacrylamide (30:0.8)	7.5	10.0	12.5	15.0
1.5 M Tris/HCl, pH 8.8	7.5	7.5	7.5	7.5
20% SDS	0.3	0.3	0.3	0.3
0.2 M EDTA	0.3	0.3	0.3	0.3
Water	13.8	11.3	9.1	6.3
TEMED	0.015	0.015	0.015	0.015
10% Ammonium persulfate	0.6	0.6	0.6	0.6

[a] The columns represent volumes (ml) of the various reagents required to make 30 ml of gel mixture.

Stacking or Spacer Gel (3% acrylamide)

Stock solution	Final volume 20 ml	5 ml
Acrylamide-bisacrylamide (30:0.8)	2.0	0.5
0.5 M Tris/HCl, pH 6.8	5.0	1.25
20% SDS	0.2	0.05
0.2 M EDTA	0.2	0.05
Water	12.2	3.0
TEMED	0.015	0.004
10% Ammonium persulfate	0.4	0.1

Electrode Buffer (Tris-Glycine buffer)

25 mM Tris/192 mM Glycine/0.1% SDS

Tris	3.0	g
Glycine	14.4	g
20% SDS	5.0	ml

dissolved in 700 ml of water. The pH is adjusted to 8.3. The volume is finally made up to 1 litre.

Appendix II

Staining of Gel

Staining Solution

50% Methanol / 10% Acetic acid / 0.1% Coomassie blue R 250

95% Methanol	236.0	ml
Glacial acetic acid	59.0	ml
Coomassie blue R 250	0.5	g

make up to 500 ml with water and keep in a dark bottle.

Destaining Solution

Destaining solution I

95% Methanol	125.0	ml
Glacial acetic acid	19.0	ml

make up to 250 ml with water.

Destaining solution II

95% Methanol	50.0	ml
Glacial acetic acid	75.0	ml

make up to 1 litre with water.

BIOGRAPHY

Mr. Arnuparp Lekhakula was born on March 15, 1956 in Songkla, Thailand.

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1976 Bachelor of Science (Medical Science)
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