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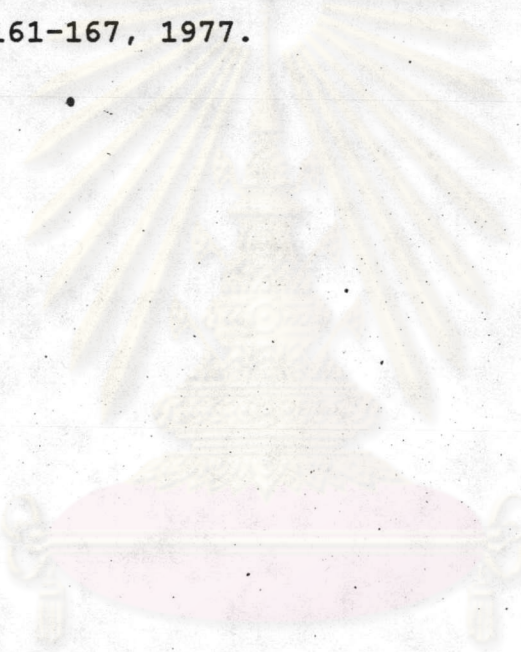
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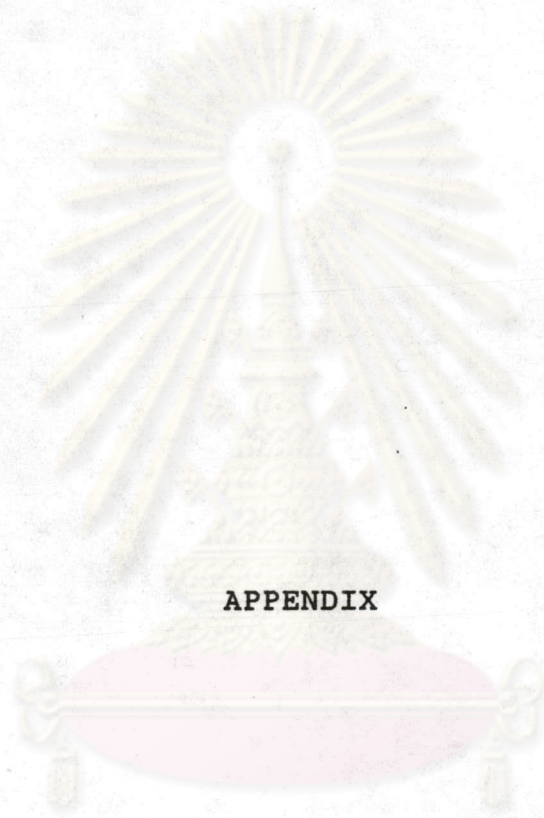
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ศูนย์วิทยทรัพยากร
จุฬาลงกรณ์มหาวิทยาลัย



APPENDIX

ศูนย์วิทยทรัพยากร
จุฬาลงกรณ์มหาวิทยาลัย

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
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|-----------|---|
| Education | 1976 Bachelor of Science (Medical Science) Chulalongkorn University |
| | 1978 Doctor of Medicine (Hons) Chulalongkorn University |
| | 1980 Graduate Diploma in Clinical Science (Internal Medicine) Chulalongkorn University |
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