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APPENDIX

สถาบันวิทยบริการ
จุฬาลงกรณ์มหาวิทยาลัย

BUFFER AND REAGENTS

1. White's saline, pH 7.3

Stock A

NaCl	140 g
KCl	7.45 g
MgSO ₄	5.54 g
Ca(NO ₃) ₂ (4H ₂ O)	15.12 g
Distilled water	1000 ml

Stock B

NaHCO ₃	10.93 g
NaHPO ₄ ·7H ₂ O	2.14 g
KH ₂ PO ₄	0.5 g
Phenol red	0.1 g
Distilled water	1000 ml

Working buffer

Stock A	50 ml
Stock B	50 ml
Distilled water	900 ml

2. Cacodylate buffer

Stock solution:

A. 0.2 M Sodium cacodylate

Na(CH ₃) ₂ AsO ₂	31.99 g
Distilled water	1000 ml
or	
Na(CH ₃) ₂ .3H ₂ O	42.8 g

B. 0.2 M HCl

HCl 36% W/W	17.2 ml
DW	1000 ml

Working buffer solution

Stock A	50 ml
Stock B	2.7 ml
Distilled water	47.3 ml

3. 0.6% Glutaraldehyde

50% Glutaraldehyde	0.82 ml
White's buffer	99.8 ml

4. 3% Glutaraldehyde

50% Glutaraldehyde	6 ml
White's buffer	96 ml

5. 1% Osmic acid in cacodylate buffer

Osmium tetroxide	0.5	ml
Cacodylate buffer	50	ml

6. 4% Uranylacetate (aq)

Uranyl acetate	4	g
Distilled water	100	ml

7. EPON 812 Embedding media

Epon 812	20	ml
DDSA	16	ml
MNA	8	ml
DMP-30	0.66-0.85	ml

8. Uranyl acetate for staining

Uranyl acetate	3	g
70% Metanol	100	ml

สถาบันวิทยบริการ
จุฬาลงกรณ์มหาวิทยาลัย

9. Lead citrate (Reynold' s staine)

Lead nitrate($\text{Pb}(\text{NO}_3)_2$)	1.33	g
Sodium citrate	1.76	g
Distilled water	30	ml

Mix in 50 ml volumetric flask then add 1N. NaOH 8 ml, distilled water 12 ml

10. 1% Toluidine blue

Toluidine blue	1	g
Sodium borate	1	g
Distilled water	100	ml

11. ACD (Acid citrate dextrose)

Citric acid	2.10	g
Sodium citrate	2.94	g
Dextrose	1.8	g
Distilled water	100	ml

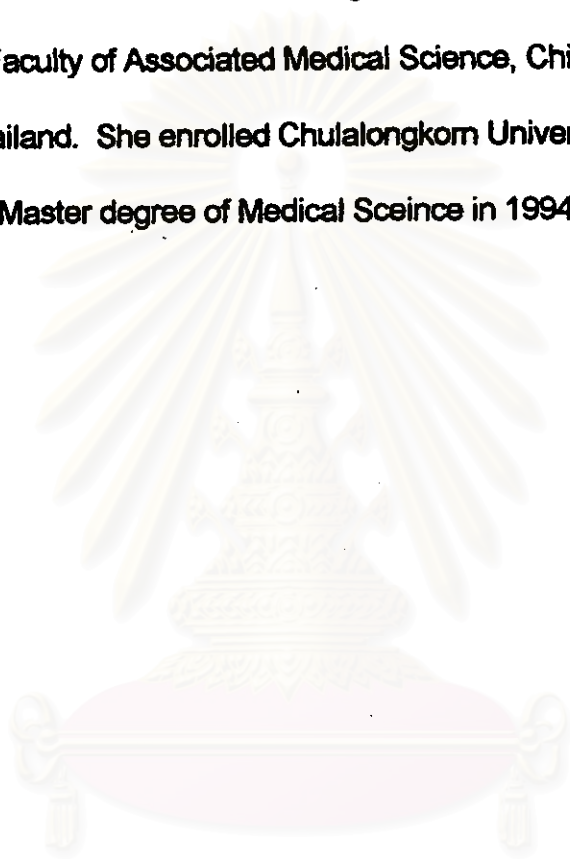
12. Cleaning Solution

Potassium dicromate	10	g
Conc sulfuric acid	25	ml
Distilled water	75	ml

BIOGRAPHY



Miss Supang Maneesri was born on January 9, 1965 in Chiangmai, Thailand. She received her Bachelor degree of Science (Medical Technology) in 1987 from Faculty of Associated Medical Science, Chiangmai University, Chiangmai, Thailand. She enrolled Chulalongkorn University in the graduate programme for Master degree of Medical Science in 1994.



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