

VIII. APPENDIX

1. 50X Tris-acetate buffer (TAE)

Tris base	242	gm
Glacial acetic acid	57.1	ml
— Dissolve all ingredients in		
EDTA (0.5 M, pH 8.0)	100	ml

— Sterilized by autoclave and kept at room temperature.

2. Loading buffer 6X

Bromphenol blue	0.25	%
Glycerol	30	%

— Mixed thoroughly and kept at -20°C

3. Ethidium bromide (10 mg/ml)

Ethidium bromide	1.0	gm
— Dissolved in distilled water	100	ml

— kept in a dark bottle at 4°C

4. 2% Agarose

Agarose	2.0	gm
0.5 X TAE	100	ml

5. 1Kb ladder

Stock 1 Kb	5	μ l
6X Loading	10	μ l
— Dissolved in distilled water	45	μ l

6. 10X PCR buffer

KCl	500	mM
Tris-HCl (pH 8.3)	100	mM

7. MgCl₂ 50 mM

MgCl ₂	479	mg
— Dissolved in distilled water	100	ml
— Sterilized by autoclave		

8. 3M Sodium acetate (NaOAc) pH 4.6

Sodium acetate	4.08	mg
— Dissolved in distilled water	e.q.	
— Adjust to pH 4.6 by 1 N HCl		
— Adjust the final volume with distilled water to	10	ml

IX. CURRICULUM VITAE

Name	Miss Punnarai Veerascatakul
Date of Birth	March 16, 1966
Education	
March 1984	Certificate of Mathayom VI Nakhonsawan school, Nakhonsawan
March 1988	Bachelor of science in Medical Technology, B.Sc. (Med.Tech.) Faculty of Associated Medical Sciences, Chiang Mai University