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## APPENDICES



## APPENDIX A

### Halquinol, Antibiotic and other reagents Preparation

#### Halquinol and Antibiotic

Antibiotics	Solvents	Stock Solution Storage (mg/ml)
ampicillin	DW; filter-sterile	100
chloramphenicol	95% ethanol	25
ciprofloxacin	0.1N NaOH; DW	50
Halquinol	dimethyl sulfoxide	64
gentamicin	DW; filter-sterile	40
rifampicin	Methanol	25
streptomycin	DW; filter-sterile	50
sulfamethoxazole	0.1N NaOH; DW	50
tetracycline	70% ethanol	10
trimethoprim	dimethyl acetamide	100

#### Reagents for PCR reaction

- DNA	4.0 $\mu$ l
- 10 $\mu$ M of primers	1.0 $\mu$ l
- 2.5 x Eppendorf MasterMix	12.5 $\mu$ l
- Nuclease water	6.5 $\mu$ l
- Total Volume	25.0 $\mu$ l

The 2.5 x Eppendorf MasterMix (Eppendorf®, Hamberg, Germany) contains

- Taq DNA Polymerase	62.5 U/ml
- KCl	125 mM
- Tris-HCl pH 8.3	75 mM
- Mg(OAc) <sub>2</sub>	3.75 mM
- Igepal <sup>®</sup> -CA630	0.25 %

- each dNTP 500  $\mu$ M

### Reagents for agarose gel electrophoresis

#### 1. 10 mg/ml Ethidium bromide

- Ethidium bromide 1 g
- Distilled deionized water 1,000 ml

#### 2. 50X TAE (Tris-Acetate buffer) 1000 ml contains

- Tris 242.0 g
- Acetic acid 57.1 g
- 0.5M EDTA pH 8.0 100.0 ml

Adjust the volume to 1,000 ml with DW

## APPENDIX B

## Bacterial Growth Media

1. Muller Hinton Agar (MHA) (Difco™, MD, USA)
  - Beef Extract Powder 2.0 g
  - Acid Digest of Casein 17.5 g
  - Starch 1.5 g
  - Agar 17.0 g
  
2. Luria-Bertani Agar (LB) (Difco™, MD, USA)
  - Tryptone 10.0 g
  - Yeast Extract 5.0 g
  - Sodium chloride 5.0 g
  - Agar 15.0 g

## BIOGRAPHY

Mr. Nisit Chansong was born on August 8, 1962 in Phitsanulok, Thailand. He holds the degree of Bachelor from Faculty of Veterinary Medicine, Kasetsart University, Bangkok, Thailand. He has spent more than 10 years in animal health career industry. He is also a Member of Thai Veterinary Medical Association. He enrolled the degree of Master of Science in the Department of Veterinary Public Health, Faculty of Veterinary Science, Chulalongkorn University, Thailand in 2006.

