

APPENDICES

Appendix (1): Culture media

Difeo™ Nutrient Agar

Approximate formula * per litter

Beef Extract.....	3.0g
Peptone.....	5.0g
Agar.....	15.0g

Difeo™ MacConky Agar

Approximate formula * per litter

Peptone.....	20.0g
Lactose.....	10.0g
Bile salt.....	5.0g
Sodium Choloride.....	12.0g
Agar.....	12.0g
Nutrient Red.....	0.05g

Difeo™ ManitolSalt Agar

Approximate formula * per litter

Proteose Peptone No.3.....	10.0g
Beef Extract.....	1.0g
D-Manitol.....	10.0g
Sodium Choloride.....	75.0g
Agar.....	15.0g

Phenol Red.....25g

2-Gram' s Stain

Crystal violet

Approximate formula * per litter

Crystal violet.....20.0g

Ammomuium Oxalate.....0.9g

Ethanol, Absolute.....95ml

Distilled water.....to 1litter

Lugol's Iodine

Approximate formula * per litter

Potassium iodine.....20.0g

Iodine.....10.0g

Distilled water.....to 1litter

Acetone –alcohol decolorizer

Approximate formula * per litter

Acetone.....500ml

Ethanol, Absolute.....475ml

Distilled water.....25ml

Saffranin

Approximate formula * per litter

Saffranin.....2.5g

95%Ethanol.....10ml

Distilled water.....to 1litter

3-Simmons's Citrate medium

Approximate formula * per liter

Koser's medium.....	to 1litter
Agar.....	20.0g
Bromothymol blue 0.2%.....	40ml

4- Kliglar iron agar (KIA)

Approximate formula * per liter

Lab-Lemco powder.....	3.0g
Yeast Extract.....	3.0g
Peptone.....	20.0g
Sodium Chloride.....	5.0g
Lactose.....	10.0g
Glucose.....	1.0g
Ferric Citrate.....	0.3g
Sodium Thiosulphate.....	0.3g
Phenol Red.....	0.05g
Agar.....	12.0g

5-Christenens's urea agar

Approximate formula * per liter

Peptone.....	1.0g
Sodium Chloride.....	5.0g
Distilled Water.....	to 1litter
Glucose.....	0.5g

Agar.....20.0g

Potassium dihydrogen phosphate.....2.0g

6-Kovac' s reagent

Approximate formula * per liter

Amyle or isoamyle alcohol.....15ml

P-Dimethyl-aminobenzyaldehyde.....10g

Hydrochloric acid concertrated.....50ml

