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ศูนย์วิทยทรัพยากร
จุฬาลงกรณ์มหาวิทยาลัย



Appendix

ศูนย์วิทยทรัพยากร
จุฬาลงกรณ์มหาวิทยาลัย

EMEM Medium

EMEM powder medium (Biowitaker)	19.15 g
HEPES	3g
NaHCO ₃	2g
Penicillin G (stock solution)	200000 units (0.4ml)
Streptomycin (stock solution)	0.2 g (1ml)
Sterile water	2 L

Weight and mix all ingredients in sterile water. Adjust pH to 7.0. Filtrate with 0.22 μ m membrane (Satorious). Dispense the filtrate into bottles. All bottled mediums are stored in 37 °C incubator for 24 hr. for sterility test.

0.25 Trypsin (in HEPES-Buffer Saline)

HEPES-buffer saline

NaCl	8 g
KCl	0.4 g
Na ₂ HPO ₄	0.1 g
Dextrose	1.0 g
HEPES	2.38 g
Distilled water	1 L

All ingredients were mixed in 1lt volumetric flask and stirred with magnetic stirrer until all ingredients were completely dissolved. Then 2.5g of Trypsin powder (Gibco) was added. The solution was stirred until Trypsin was completely dissolved. Then adjust pH to 7.0 (by add 7.5% NaHCO₃ and/or 1% HCl). The solution was filtrated (through 0.22 μ m membrane) and dispensed into bottles.

The bottled trypsin was stored in 37°C incubator for 24 hr. for sterility test.

Antibiotics**-Sodium Penicillin G**

Penicillin (Pen G)	1 ampoule (5000000 units)
Distilled water	10 ml

10 ml of distilled water was injected into the ampoule then the ampoule was shaken gently until the powder dissolved completely. This solution concentration was 500000 units/ml.

-Streptomycin

Streptomycin for injection	1 ampoule (1 g)
Distilled water	5 ml

5 ml of distilled water was injected into the ampoule then the ampoule was shaken gently until the powder dissolved completely. This solution concentration was 500000 units/ml.

0.4% Trypan Blue Dye

Trypan Blue	1.6 g
NaCl	3.24 g
KH ₂ PO ₄	0.24 g
Distilled water	400 ml

All ingredients were mixed altogether, heat and stirred with magnetic stirrer until completely dissolved. Adjust pH to 7.2-7.3 (by add 7.5% NaHCO₃ and/or 1% HCl). Then dispensed into light protecting bottles.

Phosphate buffer solution

NaCl	8 g
KCl	0.2 g
Na ₂ HPO ₄	1.15 g
KH ₂ PO ₄	0.2 g
Distill water	1 L

All ingredients were mixed and dispensed into bottles. All bottles were autoclaved for 15 minute.

Alkaline Copper Solution for Protein determination

1) Solution A (for 10 lt)

Na ₂ CO ₃	200 g
NaOH	40 g
Na-K tatrare	2 g
Distilled water	10 L

All ingredients were mixed and freshly prepare for every experiment.

2) Solution B (for 1lt)

CuSO ₄ 5H ₂ O	5 g
Distilled water	1 L

The ingredients were mixed and stirred until completely dissolved.

3) Solution C

Solution C = Solution A: Solution B

50: 1

4) Diluted Folin reagent

Folin-Ciocalteu : distill water

5 : 7



ศูนย์วิทยทรัพยากร
จุฬาลงกรณ์มหาวิทยาลัย

Biography

Miss Warakorn Cheewasopit was born on June 13, 1978 in Bangkok, Thailand. She was graduated with a Bachelor degree of Science in Biology, Faculty of Science, Chulalongkorn University in 1998. She has enrolled in the Graduate School, Chulalongkorn University for Master Degree of Science in Zoology during 1999-2001.



ศูนย์วิทยทรัพยากร
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