

CHAPTER II

CHEMICAL SUBSTANCES AND EQUIPMENTS

TABLE 2.1 : LIST OF CHEMICAL AND SOURCES

LIST OF CHEMICALS	SOURCES
Acetic acid (AR)	Riedel-de Haen
Acrylamide	Sigma Chemicals
Amberite IRA-68	Fluka AG.
Ammoniumpersulfate (Pa)	Fluka AG.
Ammonium sulfate	Fluka AG.
Bromophenol blue	Hopkin and Willieme
Bovine Serum Albumin	Sigma Chemicals
Basic Fuchsin	Ajax-Chemicals, LTD.
Blue dextran	Fluka AG.
Cupric sulfate	BDH Chemicals, LTD.
Coomassie Blue R-250	Fluka AG.
Catechol	Fluka AG.
Chloroform	Fluka AG.
O-dianisidin	Excise Department
95 % Ethanol	Sigma Chemicals
Ethylenediamine	Sigma Chemicals
Tetraacetic acid	

TABLE 2.1 - CONTINUED

LIST OF CHEMICALS	SOURCES
Folin Ciocalteus Phenol reagent	Merck
Glycine	Fluka AG.
Hydrochloric acid	Merck
Hexane	
Hydroquinone	Fluka AG.
Laccase	Sigma Chemical
N,N'-methylen-bis- acrylamide	Fluka AG.
N,N,N',N'-tetramethyl- ethylene-diamine	Fluka AG.
Polyethylene Glycol (Mr 3500-4000)	Fluka AG.
DEAE sephadex A-50	Pharmacia Fine Chemicals
Sephadex G-100	Pharmacia Fine Chemicals
Saccharose	Merck
Syringaldazine	Sigma Chemical
Tris (hydroxymethyl)	Sigma Chemical
Aminomethane	

TABLE 2.2 : LIST OF MATERIALS

MATERIALS	SOURCES
Haed Nangrom ( <i>Pleurotus <u>sapidus</u></i> )	Market in Nakornpathom
Dialysis bag (M.W. Cut off 12,000)	Spectrum Medieal Industries, Inc.
Millipore membrane PM-10 (MW = 10,000)	Amicon
Chess-cloth	Market in Bangkok

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TABLE 2.3 : LIST OF EQUIPMENTS

EQUIPMENTS	COMPANY
1. Spectrophotometer, UV-240	Shimadzu, Janpan
2. Spectrophotometer uvidec-4	Jasco, Japan
3. Refrigerated Centrifuge	Dupont, U.S.A.
4. FD-1 Freeze dryer	Dynavac, Australia
5. Ultrafiltration	Amicon, U.S.A.
6. Standard pH meter pHM-62	Radiometer Copenhagen, Denmark
7. Peristaltic pump	Pharmacia Fine Chemicals, Sweden
8. Fraction Collector	Pharmacia Fine Chemicals Sweden
9. Electrophoresis (Gel column)	EC Apparatus Corp., U.S.A.
10. Digital Viscometer Model DV-1	Brook Field, U.S.A.
11. Finnpipette (200 $\mu$ l, 1000 $\mu$ l)	Labsystem, Finland
12. Pipetman (20 $\mu$ l, 100 $\mu$ l)	Gilson, France
13. Vortex mixer	Griffin & George LTD., U.S.A.
14. Water Bath	Thermoline, Australia
15. Top load Type 1409	Sartorius, Germany
16. Refrigerator	Sanyo, Japan
17. Sephadex column (1.6x100 cm, 2.5x40 cm)	Pharmacia Fine Chemicals, Sweden