

APPENDIX B – EXPANDED LIST OF CHEMICAL SOLUTIONS APPROVED FOR DRAIN DISPOSAL

Note: (*) = allowable concentration limit (•) = antibiotic

A

A-Glucosidase, Type I

*Acetic Acid ($\leq 10\%$ with pH > 6)

Albumin, Bovine (without Sodium azide)

Albumin, Serum (Human) (without Sodium azide)

Alconox ($\leq 1\%$) (10 g/L)

Alpha-D (+) Melibiose

•Amphotericin B (Fungizone) (Autoclave, pg. 5)

•Ampicillin (Autoclave, pg. 5)

*Animal Drinking Water ($\leq 4\%$ Deuterated Water)

Artificial Cerebrospinal Fluid (aCSF) (NaCl, MgSO₄, KCl, KH₂PO₄, Dextrose, NaHCO₃, CaCl₂, Kynureic Acid)

B

B-D (+) Glucose, and all Isomers – Beta D Glucose

Bacto Tryptic Soy Broth

Basal Medium Eagle

BD™ FACSFlow™ Sheath Fluid

Beta-Glucuronidase, Type VIII

Bicine [N, N-bis (2-hydroxyethyl) glycine]

Bile Salts

*Bleach ($\leq 10\%$ Clorox Bleach)

Blood Bank Saline

Bovine Serum Albumin (BSA)

Brain Slicing Perfusion Solution

C

Calcium Bicarbonate

Calcium Carbonate

Calcium Chloride

Calcium Citrate

Calcium Phosphate, Monobasic

Calcium Sulfate

•Carbenicillin (Autoclave, pg. 5)

Carboxypeptidase B

Carboxypeptidase Y

Carrageenan, Type II
Casein
Cellulase, all types
Chitin
Chondroitin
Chymotrypsinogen
Click's Medium
CM Cellulose Powder
Coccarboxylase
Coenzyme A, Sodium Salt
Collagen & Collagenase
Complete Dulbecco's Modified Eagle's Media (DMEM-C)
Cytidine 2' & 3' - Monophosphates
Cytidine 2' & 3' – Triphosphates
Cytosin

D

2' DeoxyAdenosine 5' Triphosphate
2-Deoxy-D-Ribose
D-Broth (Dehydrated Broth) ($\leq 1\%$ Sodium chloride)
D-Cellobiose
D-Erythrose
D-Fructose and other Isomers & Enzymes
D-Glycogen
D- (+) Maltose, Monohydrate
D-Ribose 5-Phosphate, Disodium Salt
D-Sorbitol
D-Xylose
Deoxyribonucleic Acid, Type XV
Dextran
Dextrose
*Dialysis Buffer for Protein Purification [(20mM Tris-HCl, 100mM Urea) with removal of DDT, BME, or preservatives]
*Diethylene Triamine Penta Acetic Acid (DTPA) (<10 mM with pH ≤ 6)
Disodium Phosphate
*Dithiothreitol (DTT) (≤ 1 M)
DL-Cystine
DL-Histine
DL-Homoserine
DL-Isoleucine
DL-Leucine
DL-Serine
DL-Threonine

DNA Polymerase I

*Donkey Serum, Normal ($\leq 5\%$) without Sodium Azide]

Dulbecco's Modified Eagle's Medium (DMEM)

Dulbecco's Modified Eagle Medium (DMEM), without Phenol Red

Dulbecco's Modified Eagle Medium (DMEM), with Phenol Red

Dulbecco's Modified Eagle's Medium (DMEM)/Ham's Nutrient Mixture F-12

Dulbecco's Modified Eagle Medium (DMEM), High Glucose, Pyruvate without Phenol Red

Dulbecco's Modified Eagle Medium (DMEM) High Glucose

Dulbecco's Modified Eagle Medium/Nutrient Mixture F-12 (DMEM/F12), without Phenol Red

Dulbecco's Modified Eagle Medium/Nutrient Mixture F-12 (DMEM/F12), with Phenol Red

E

Eagle's Minimum Essential Medium (EMEM)

Earl's Balanced Salt Solution (EBSS)

Elastase Type III

EmbryoMax® Advanced KSOM Medium

Enolase

Epidermal Growth Factor, Human (hEGF)

•Erythromycin (Autoclave, pg. 5)

Essential 6 Medium

*Ethanol ($\leq 10\%$ with a Flash Point $>140^\circ\text{F}$)

*Ethylenediaminetetraacetic Acid (EDTA) ($\leq 10\text{ mM}$)

*Ethylene Glycol Tetraacetic Acid (EGTA) ($\leq 10\text{ mM}$)

F

F-12 Coon's Modification Formulation

Fetal Bovine Serum (FBS)

Fetal Bovine Serum Charcoal Stripped

Fetal Calf Serum (FCS) (FCS)

Fibrinogen

Fibronectin

Fischer's Medium

Flavin Adenine Dinucleotide

Folic Acid

Fructose

G

Galactose

Gelatin

- Geneticin (G418) (G418) (Autoclave, pg. 5)
- Gentamicin (Autoclave, pg. 5)
- Gibberellic Acid (GA)
- Glasgow Minimum Essential Media
- Glucose
- Glucose Enzymes & Phosphates (All)
- Glutamax
- Glutamic Acid (including D, L, DL Isomers)
- *Glutamine Autoclave Prior to Disposal)
- Glycine
- GlycylGlycine
- Grace's Insect Medium
- Guanosine 3', 5' Cyclic Monophosphate

H

- Ham's F-12 Medium (F-12)
- Hank's Balanced Salt Solution (HBSS)
- Hemoglobin
- HEPES (N-2-hydroxyethylpiperazine-N-2-ethane sulfonic acid) Buffer
- HEPES-Buffered Saline
- Hexokinase
- Histone
- Human Basic Fibroblast Growth Factor (hFGF basic/hFGF-B)
- Hyaluronidase Type I-S
- *Hydrogen Peroxide ($\leq 8\%$)

I

- Immunoglobulins, IgG
- Immunoglobulins, IgM
- Immunoglobulins, IgE
- Insect Medium Supplement
- Instant Ocean® Sea Salt
- Insulin
- Invertase, Grade V
- IPL-41 Insect Medium
- Iscoe's Modified Dulbecco's Medium IMDM)
- IsoFlow™ Sheath Fluid (Beckman Coulter)
- *Isopropanol (2-propanol) (<2% with Flash Point >140°F)

J

- Joklik's Minimum Essential Medium Eagle

K

Krebs-Henseleit Buffer

L

L-Citrulline

L-Glutamine

L-15 Media

L-Proline

L-Serine

L-Sorbose

L-Threonine

L-Valine

Lactic Dehydrogenase (including D-isomer)

Lactoferrin, Globulin, alpha-Lactose

Lactose

Lectin

Lectin from Glycine Max

Leibovitz's L-15 Medium

Lithium Acetate

Litmus Milk Medium

Lithium Carbonate

*Lithium Chloride ($\leq 1\%$)

*Lithium Sulfate ($\leq 1\%$)

Luria Broth (LB)

Lysozyme, Grade I

M

M2 Medium

M9 Minimal Medium

M9 Minimal Salts

M16 Medium

Magnesium Chloride ($\leq 1\%$)

Magnesium Sulfate ($\leq 1\%$)

Maltose

McCoy's 5A Modified Medium

MCDB Medium

Medium 199

*MEM Amino Acids (1X) (pH >6 and <9)

*MEM Vitamin Solution (1X)

Methylcellulose (Paraben)

*Methylene Blue Embryo Water (Zebrafish only, 2ml of 0.1% methylene blue)

Milk (Non-fat dry)

[Minimum Essential Medium Eagle \(MEM\)](#)
[Modified Ringer's "Artificial Cerebrospinal Fluid" Solution](#)
[Monopotassium Phosphate](#)

N

[Nicotinamide Adenosine Diphosphate \(NADP\)](#)
[NCTC Medium](#)
[Nematode Medium \(Axenic\)](#)
•[Neomycin](#) (Autoclave, pg. 5)
[NERL™ Blood Bank Saline](#)
[Nerve Growth Factor](#)
[Neuraminidase, Type X and Type VIII](#)
[Nutrient Mixtures \(HAM\) F-10](#)
[Nutrient Mixtures \(HAM\) F-12](#)
[NZY Broth](#)

O

[Opti-MEM/Reduced Serum Medium](#)

P

[Pectin](#)
[Pectinase](#)
•[Penicillin](#) (pg. 5)
[Penicillinase Type 1](#)
*[pH 4 Calibration Buffer](#) (without Phenylmercuric Acetate)
*[pH 7 Calibration Buffer](#) (without Phenylmercuric Acetate)
*[pH 10 Calibration Buffer](#) (without Phenylmercuric Acetate)
[Phosphatase Alkaline, Type VII-NT, Bovine \(without Glycerol\)](#)
*[Phosphate Buffer Saline \(PBS\)](#) (Unused only)
[Phosphodiesterase](#)
[Phosphodiesterase 3', 5' Cyclic Nucleotide](#) (Without Glycerol)
[Plasmin](#)
[Polyoxyethylenesorbitan Monolaurate \(Tween-20\) \(<5%\)](#)
[Potassium Acetate](#)
[Potassium Bicarbonate](#)
[Potassium Bitartrate](#)
*[Potassium Chloride](#) ($\leq 1\%$)(stock solution must be submitted as chemical waste)
[Potassium Phosphate \(dibasic\)](#)
[Potassium Phosphate \(mono\)](#)
[Potassium Thiosulfate](#)
[Proline & Isomer DL](#)
•[Puromycin](#) (Autoclave, pg. 5)

[Pyridoxal Phosphate](#)

Q

R

[Raffinose Pentahydrate](#)

[Riboflavin](#)

[Ribonuclease A](#)

[Ribonuclease S](#)

[Ribonuclease T1](#)

[Roswell Park Memorial Institute \(RPMI\) 1640 Medium](#)

[RPMI 1640 Medium Auto-Mod™ for Autoclaving](#)

[RPMI 1640 Medium Dutch Modification](#)

S

[Sarcosine](#)

[Schneider's Insect Media](#)

[Shields and Sang M3 Insect Medium](#)

[SmBM□□Smooth Muscle Cell Growth Basal Medium](#)

[Sodium Acetate](#)

[Sodium Ascorbate](#)

[Sodium Bicarbonate](#) (Sodium Hydrogen Carbonate also known as Baking Soda)

[Sodium Carbonate](#)

[Sodium Chloride](#) (NaCl) ($\leq 1\%$)

*[Sodium Chloride Sodium Citrate](#) (SSC) (1x)

[Sodium Citrate](#)

*[Sodium Dodecyl Sulfate](#) (Sodium Luaryl Sulfate) (SDS) ($\leq 10\%$ concentration)

[Sodium Hydrogen Phosphate](#)

*[Sodium Hypochlorite Solution](#) (Bleach) ($\leq 10\%$)

[Sodium Phosphate Buffer](#)

[Sodium Phosphate Dibasic](#)

[Sodium Phosphate Monobasic](#)

[Sodium Pyruvate](#)

[Sodium Sulfate](#)

[Sodium Thiosulfate](#)

[Starch](#)

[StemFlex Medium](#)

[Streptokinase](#)

•[Streptomycin](#) (Autoclave, pg. 5)

[Succinamide](#)

[Sucrose](#) (and Isomers)

•[Sulfadoxine](#) (Autoclave, pg. 5)

Super Optimal Broth with Catabolite Repression (SOC) Medium

T

TAPS (3-[[tris(hydroxymethyl)methyl]amino]propanesulfonic acid)

TC-100 Insect Medium

Terrific Broth

• Tetracycline (Autoclave, pg. 5)

TMB Substrate Solution A

TNM-FH Insect Medium

Transferrin, Human

*Tricaine Methanesulfonate (MS-222) Buffered Solution ($\leq 300\text{mg/L}$)

Tricine [N-tris(hydroxymethyl)methylglycine]

TrypLE Select Enzyme

Tris

*Tris, Acetic Acid and EDTA (TAE) Buffer (1x)

*Tris Buffered Saline (TBS) (1x)

*Tris-EDTA (20mM Tris, 1mM EDTA)

*Tris-Glycine Buffer (1x)

Tris Hydrochloride (Tris-HCl)

*Triton X-100 Lysis Buffer (1x)

*Triton X-100 ($\leq 1\%$)

*Trypsin Inhibitor (Undiluted stock must be submitted as chemical waste)

*Trypsin-EDTA ($\leq 0.25\%$)

Tryptic Soy Broth Medium

Tryptone Peptone

*Tween-20 (Polyoxyethylenesorbitan Monolaurate) ($\leq 5\%$)

*Tyrode's buffer (10mM HEPES, 137mM NaCl, 4.5mM Potassium Chloride, 0.5mM Magnesium Sulfate, 0.5mM Potassium Phosphate, 10mM Glucose, 1.8mM Calcium Chloride)

U

Urea

V

Vinegar ($\text{pH} \leq 6$)

W

Waymouth Medium MB

Whittens's Medium

William's Medium E

X

Y

Yeast Extract

Yeast Extract with Supplements (YES) Medium

Yeast extract, Peptone and Dextrose (YPD) Medium

YP-GAL Broth

*YT Culture Medium (2x)

Z