

2627

OMIZ w/ 5% double strength BHI and 5% double strength TYSE

Brain Heart infusion	74g
Tryptone Soy Broth	60g
Yeast Extract	12g
** OMIZ media	1000 ml

Mix well , Filter Sterilize and dispense into appropriate vessel.

***OMIZ media (media # 2131)

OMIZ Spirochete Medium

L-Alanine	45	mg	L-Phenylalanine	165	mg	D-Maltose	2000	mg
L-Arginine	174	mg	L-Proline	115	mg	D-Mannose	2000	mg
L-Asparagine	150	mg	L-Serine	525	mg	D-Ribose	2000	mg
L-Aspartic Ac	133	mg	L-Threonine	119	mg	D-Xylose	2000	mg
LCysteineHCl	352	mg	L-Tryptophan	102	mg	L-Fucose	2000	mg
L-Glutamic Ac	294	mg	L-Tyrosine	90	mg	Na-Citrate	200	mg
L-Glutamine	680	mg	L-Valine	117	mg	N-acetylglucosamine	500	mg
Glycine	75	mg	KCl	968	mg	Na-Pyruvate	550	mg
L-Histidine	620	mg	MgCl ₂ x 6H ₂ O	203.3	mg	Na-Fumarate	500	mg
L-Isoleucine	131	mg	NaH ₂ PO ₄ x H ₂ O	140	mg	Adenine	1.4	mg
L-Leucine	131	mg	NH ₄ Cl	1600	mg	D-Arabinose	2000	mg
L-Lysine	182	mg	D-Galacturonic Ac	2000	mg	D-Glucose	2000	mg
L-Methionine	149	mg	Hypoxanthine	1.4	mg	Uracil	1.1	mg
L-OrnithineHCl	168	mg	Thymidine	2.4	mg	ACES	1822	mg
D,L-Carnatine	200	mg	Putresine	5	mg	Spermidine	5	mg
Phenol Red**	10	mg	Lactic Ac (30%)	1.4	ml	Iso-Butyric Ac	10	ul
2-Methylbutyric Ac	10	ul	Valeric Acid	10	ul	Iso-Valeric Ac	10	ul
CaCl ₂ Stock	1	ml	Cu-Mn-Zn Stock	1	ml	Se Stock	1	ml
Ni-Sn-V-Mo Stock	1	ml	Vitamin Solution	1	ml	Hemin Solution	1	ml

Lipoic Acid Soln 1 ml ****Dissolve Phenol Red in a few drops of dilute NaOH. Then add to flask.**
Add the above ingredients to 500 ml of distilled water in a 1L volumetric flask. Adjust pH to 6.0.
 Prior to use, add the following solutions and bring the volume to 1.0 L with distilled water, adjust pH to 6.9, and filter sterilize.

Bicarbonate Sol	1.0 ml	Vitamin C Sol	1.0 ml	Glutathione Sol	1.0 ml	Ferrous Sulphate Sol	1.0 ml
DHNA Sol	1.0 ml	Cholesterol Sol	1.0 ml	Yeast Extract Sol	20.0 ml	Neopeptone Sol	10.0 ml
Human Serum	10.0 ml						

Stocks and Solutions

CaCl₂ Stock

CaCl ₂ x H ₂ O	14.7 g
10 mM HCl	100 ml

Ni-Sn-V-Mo Stock

NiSO ₄ x 6H ₂ O	0.131 mg
SnCl ₂ x 2H ₂ O	0.118 mg
NaVO ₃	0.61 mg
(NH ₄) ₆ Mo ₇ O ₂₄ x 4H ₂ O	12.4 mg
10 mM HCl	1000 ml

Ferrous Sulphate Sol

FeSO ₄ x 7H ₂ O	278 mg
10 mM HCl	100 ml

Yeast Extract Solution

Gibco YE Sol (15% autolyzed yeast)
 Gibco #18180-059

Cu-Mn-Zn Stock

CuSO ₄	0.798 mg
MnSO ₄ x H ₂ O	0.169 mg
ZnSO ₄ x 7H ₂ O	0.287 gr
10 mM HCl	1000 ml

Bicarbonate Sol

NaHCO ₄	10.0 g
DI Water	100 ml

Glutathione, reduced Sol

Glutathione, reduced	30.7 g
DI Wat.(neut w/NaOH)	150 ml

Cholesterol Solution

Cholesterol	20 mg
Ethanol	20 ml

Lipoic Acid Soln

DLalpha-Lipoic Ac	10 mg
2-Mercaptoethanol	1 ml
Ethanol	9 ml

Selenium Stock

NaSeO ₃	17.3 mg
DI Water	1000 ml

Hemin Solution

Hemin	12.5 mg
DI Water	100 ml

Vitamin C Solution

Vitamin C	10 g
DI Wat.(Neut w/NaOH)	70 ml

DHNA Solution

1,4-dihydroxy-2-naphthoic Acid	40.8 mg
Ethanol	100 ml

Neopeptone Solution

Bacto-Neopeptone	10 g
DI Water	100 ml

Vitamin Solution

Calcium D-Pantothenate	500 mg
Thiamine-2HCl	500 mg
Pyridoxal phosphate	500 mg
Folinic Acid	100 mg
Riboflavin	1 mg
Coenzyme A, Na	100 mg
DI Water	100 ml

Choline Chloride	5000 mg
Thiamine pyrophosphate	2500 mg
D(+)-Biotin	5 mg
Nicotinamide	5 mg
Vitamin B12	5 mg
FAD	100 mg

myo-Inositol	5000 mg
Pyridoxal-HCl	500 mg
Folic Acid	5 mg
Nicotinic Acid	100 mg
β-NAD	100 mg
2-mercaptoethanesulfonic Ac	1000 mg