

ANNEXURE-I: Composition of different culture media.

Components (mg/l)	Murashige -Skoog (1962)	White (1963)	Gamborg (1968)	Nitsch (1953)	Hier (1953)	Schenk-Hildebrandt (1972)	Nitsch & Nitsch (1967)	Kohlenbach-Schmidt (1975)	Knop (1865)
(NH ₄) ₂ SO ₄	-	-	134	-	-	-	-	-	-
MgSO ₄ x7H ₂ O	370	720	500	250	250	400	125	185	250
Na ₂ SO ₂	-	200	-	-	-	-	-	-	--
KCl	-	65	-	750	1,500	-	-	-	-
CaCl ₂ x2H ₂ o	440	-	150	75	25	200	-	166	-
NaNO ₃	-	-	-	600	-	-	-	--	-
KNO ₃	1,900	80	3000	-	2000	2,500	125	950	250
Ca(NO ₃) 4H ₂ O	-	300	-	-	--	-500	-	-	1,000
NH ₄ NO ₃	1,650	-	-	-	-	-	-	720	-
NaH ₂ PO ₄ xH ₂ O	-	16.5	150	125	250	-	-	-	-
NH ₄ H ₂ PO ₄	-	-	-	-	-	300	-	-	-
KH ₂ PO ₄	170	-	-	-	-	-	125	68	250
FeSO ₄ 7H ₂	27.8	-	27.8	-	-	15	27.85	27.85	-
Na ₂ EDTA	37.3	-	37.3	-	-	20	37.25	37.25	-
MnSO ₄ x4H ₂ O	2.3	7	10	0.1	3	10	25	25	-
ZnSO ₄ x7H ₂ O	8.6	3	2	1	0.5	0.1	10	10	-
CuSO ₄ x5H ₂ O	0.025	-	0.025	0.03	0.025	0.2	0.025	0.025	-
H ₂ SO ₄	-	-	-	-	0.5	-	-	-	-
Fe ₂ (SO ₄) ₃	-	2.5	-	-	-	-	-	-	-
NiCl ₂ x6H ₂ O	-	-	-	0.03	-	-	-	-	-
CoCl ₂ x6H ₂ O	0.025	-	0.025	-	-	0.1	0.025	-	-
AlCl ₃	-	-	-	0.03	-	-	-	-	-
FeCl ₃ x6H ₂ O	-	-	-	1	-	-	-	-	-
FeCl ₃ x6O ₃ H ₇ x 5H ₂ O	-	-	-	-	10	-	-	-	-
KI	0.86	0.75	0.75	0.01	0.5	1.0	-	-	-
H ₃ BO ₃	6.2	1.5	3	1	0.5	5	10	10	-
Na ₂ MoO ₄ x 2H ₂ O	0.25	-	0.25	-	0.25	0.1	0.25	0.25	-
Surcose	30,000	20,000	20,000	20,000	50,000	30000	20,000-	10,000	-
Glucose	-	-	-	-	Or 36,000	-	30,000	-	-
Myo-inositol	100	-	100	-	-	1,000	100	100	-
Nieotinic Acid	0.5	0.5	1.0	-	-	0.5	0.5	0.5	-
Phridoxine HCl	0.5	0.1	1.0	-	-	0.5	0.5	0.5	-
Thiamine HCl	0.1-1	0.1	10	1	1	5	0.5	0.5	-
Ca- pantothenate	-	1	-	-	-	-	-	-	-
Biotin	-	-	-	-	-	-	0.05	0.05	-
Glycine	2	3	-	-	-	-	2	2	-
Cysetine HCl	-	1	-	-	10	-	-	-	-
Folic Acid	-	-	-	-	-	-	0.5	0.5	-
Glutamine	-	-	-	-	-	-	-	14.7	-