

附 錄 一

培養基之組成

	B ₅ (Gamborg, 1968)	LS (Linsmaier and Skoog, 1965)	MS (Murashige and Skoog, 1962)	N ₆ (Chu et al., 1975)
	mg/L	mg/L	mg/L	mg/L
NH ₄ NO ₃	-	1,650	1,650	-
KNO ₃	2,500	1,900	1,900	2,830
(NH ₄) ₂ SO ₄	134	-	-	463
Ca(NO ₃) ₂ · 4H ₂ O	-	-	-	-
MgSO ₄ · 7H ₂ O	250	370	370	185
K ₂ SO ₄	-	-	-	-
CaCl ₂ · 2H ₂ O	150	440	440	166
KCl	-	-	-	-
KH ₂ PO ₄	-	170	170	-
NaH ₂ PO ₄ · H ₂ O	150	-	-	-
Na ₂ SO ₄	-	-	-	-
Na ₂ - EDTA	37.3	37.3	37.3	37.3
FeSO ₄ · 7H ₂ O	27.8	27.8	27.8	27.8
Fe ₂ (SO ₄) ₃	-	-	-	-
ZnSO ₄ · 7H ₂ O	2.0	8.6	8.6	1.5
MnSO ₄ · 4H ₂ O	-	22.3	22.3	4.4
MnSO ₄ · H ₂ O	10	-	-	-
H ₃ BO ₃	3.0	6.2	6.2	1.6
KI	0.75	0.83	0.83	0.8
CuSO ₄ · 5H ₂ O	0.025	0.025	0.025	-
CoCl ₂ · 6H ₂ O	0.025	0.025	0.025	-
Na ₂ MoO ₄ · 2H ₂ O	0.25	0.25	0.25	-
Myo-inositol	100	100	100	-
Thiamine· HCl	10	0.7	0.4	-
Nicotinic acid	1	-	0.5	-
Pyridoxine· HCl	1	-	0.5	-
Glycine	-	-	2	-

接下頁

培養基之組成

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	N &N (Nitsch and Nithsch, 1969) mg/L	SH (Schenk and Hildebrandt, 1972) mg/L	White' s (White, 1963) mg/L	WPM (Lloyd and McCown, 1980) mg/L
NH ₄ NO ₃	-	-	-	400
KNO ₃	950	2500	80	-
(NH ₄) ₂ SO ₄	-	-	-	-
Ca(NO ₃) ₂ · 4H ₂ O	-	-	285	556
MgSO ₄ · 7H ₂ O	185	400	740	370
K ₂ SO ₄	-	-	-	990
CaCl ₂ · 2H ₂ O	166	151	-	96
KCl	-	-	65	-
KH ₂ PO ₄	68	-	-	170
NaH ₂ PO ₄ · H ₂ O	-	-	16.5	-
Na ₂ SO ₄	-	-	200	-
Na ₂ - EDTA	37.3	20.1	-	37.3
FeSO ₄ · 7H ₂ O	27.8	15	-	27.8
Fe ₂ (SO ₄) ₃	-	-	2.5	-
ZnSO ₄ · 7H ₂ O	10	1	2.67	8.6
MnSO ₄ · 4H ₂ O	-	-	-	-
MnSO ₄ · H ₂ O	25	13.2	7.0	16.9
H ₃ BO ₃	10	5.0	1.5	6.2
KI	-	0.1	0.75	-
CuSO ₄ · 5H ₂ O	0.025	0.2	0.01	0.25
CoCl ₂ · 6H ₂ O	-	0.1	-	-
Na ₂ MoO ₄ · 2 H ₂ O	-	0.1	-	0.25
Myo-inositol	100	1000	-	100
Thiamine· HCl	0.5	2.0	0.1	1
Nicotinic acid	5	5.0	0.5	0.5
Pyridoxine· HCl	0.5	0.5	0.1	0.5
Glycine	2	-	3.0	2