

APPENDIX

Compositions of Murashegi and Skoog (1962) medium

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	mg/L
1. Macroelements	
$(\text{NH}_4)_2\text{NO}_3$	1650
KNO_3	1900
$\text{CaCl}_2 \cdot 2\text{H}_2\text{O}$	440
$\text{MgSO}_4 \cdot 7\text{H}_2\text{O}$	370
KH_2PO_4	170
2. Microelements	
KI	0.83
H_3BO_3	6.2
$\text{MnSO}_4 \cdot 4\text{H}_2\text{O}$	22.3
$\text{ZnSO}_4 \cdot 7\text{H}_2\text{O}$	8.6
$\text{Na}_2\text{MoO}_4 \cdot 2\text{H}_2\text{O}$	0.25
$\text{CuSO}_4 \cdot 5\text{H}_2\text{O}$	0.025
$\text{CoCl}_2 \cdot 6\text{H}_2\text{O}$	0.025
3. Organic supplement	
Myo-inositol	100
Nicotinic acid	0.5
Pyridoxin-HCl	0.5
Thiamine-HCl	0.1
Glycine	2.0
4. Iron source	
$\text{FeSO}_4 \cdot 7\text{H}_2\text{O}$	27.8
$\text{Na}_2\text{EDTA} \cdot 2\text{H}_2\text{O}$	37.7
5. Carbon source	

1. Macroelements	mg/L
Sucrose	Ad as solid (30 g/L)
6. Other	
Agar	Ad as solid (8 g/L)
pH adjust to 5.6±0.02	



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Curriculum vitae

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