

Materials List for:

Agar-Block Microcosms for Controlled Plant Tissue Decomposition by Aerobic Fungi

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Materials

Name	Company	Catalog Number	Comments
Petri dishes	Nalge Nunc international	4014	25 x 150 mm
Agar, Type A	Sigma-Aldrich	A4550	
Ammonium nitrate, NH_4NO_3	Millinckrodt	3436-12	
Potassium phosphate, KH_2PO_4	JT Baker	3246-01	
Magnesium sulfate 7-hydrate, $\text{MgSO}_4 \cdot 7\text{H}_2\text{O}$	Sigma-Aldrich	230391	
D-(+)-Glucose	Sigma-Aldrich	G8270	Dextrose
Boric acid, H_3BO_3	Mallinckrodt Baker Inc.	2549-04	
Zinc sulfate 7-hydrate, $\text{ZnSO}_4 \cdot 7\text{H}_2\text{O}$	Mallinckrodt Baker Inc.	8880-12	
Manganous chloride 4-hydrate, $\text{MnCl}_2 \cdot 4\text{H}_2\text{O}$	JT Baker	2540-04	
Copper(II) sulfate 5-hydrate, $\text{CuSO}_4 \cdot 5\text{H}_2\text{O}$	Sigma-Aldrich	209198	
Ammonium heptamolybdate 4-hydrate, $(\text{NH}_4)_6\text{Mo}_7\text{O}_{24} \cdot 4\text{H}_2\text{O}$	Sigma-Aldrich	431346	
Calcium chloride dihydrate, $\text{CaCl}_2 \cdot 2\text{H}_2\text{O}$	Mallinckrodt Baker Inc.	4160-12	
Sodium chloride, NaCl	Mallinckrodt Baker Inc.	7581-12	
Ferrous sulfate 7-hydrate, $\text{FeSO}_4 \cdot 7\text{H}_2\text{O}$	Mallinckrodt Baker Inc.	5056-12	
Pipet-aid	Drummond Scientific	4-000-110	Cordless EtOH the surface
10 ml sterile polystyrene pipette	BD Biosciences	357551	
Gutter Guard	Thermwell Products Co.	VX620	Pre-scrubbed with soap Hardware store
Calcium sulfate hemihydrate, $\text{CaSO}_4 \cdot 0.5\text{H}_2\text{O}$	Acros Organics	385355000	
#4 cork borer	Boekel Scientific	1601	
Parafilm "M"	Pechiney Plastic Packaging	PM-996	