

Materials List for:

Standardized Method for High-throughput Sterilization of Arabidopsis Seeds

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Materials

Name	Company	Catalog Number	Comments
0.65 mL Microcentrifuge tubes	GeneMate	C-3260-5	Tube in which Arabidopsis thaliana seeds are placed to perform sterilization
1.7 mL Microcentrifuge tube	GeneMate	C-3262-1	Tube in which Arabidopsis thaliana seeds are placed to perform sterilization
7 L plastic container	Sistema	1016265438	Container in which gas sterilization is performed
Concentrated HCI	Sigma-Aldrich	320331	Chemical used in the process of creating chlorine gas
Disposable sterile inoculating loop	Fisher Scientific	22-363-603	Loop is used to spread or position Arabidopsis seeds on MS plates
Gamborg's vitamin solution	Sigma-Aldrich	G1019	Vitamin solution used in the process of making MS media
Household bleach	Clorox	Regular-Bleach	Chemical used in the process of creating chlorine gas and liquid sterliziation
MES hydrate	Sigma-Aldrich	M2933	Chemical used in the process of making MS media
Micropore surgical tape	3M	1530-1	Microporous surgical paper tape used to seal MS plates
Murashige and Skoog basal salt mixture (MS)	Sigma-Aldrich	M5524	Chemical used in the process of making MS media
Parafilm M	Bemis Company	#PM996	Parraffin film used to seal sterilization container
Petri dish 100 X 15 mm	Fisher Scientific	FB0875713	Petri dishes in which MS media is poured for the purpose of growing Arabidopsis thaliana
pH indicator strips	Whatman	2613991	Used to check pH of neutralizied chlorine and sodium bicarbonate solution
Phytoagar	Fisher Scientific	50-255-212	Used to aid in the suspension of Arabidopsis seeds in the process of plating seeds
Sodium bicarbonate	Sigma-Aldrich	S5761	Chemical used in the process of neutralizing chlorine gas reaction
Sucrose	Sigma-Aldrich	S0389	Chemical used in the process of making MS media
Tween 20	Fisher BioReagents	BP337-100	Chemical used in the process of liquid sterilization

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	Tabbo I II I Tabb		
Arabidopsis thaliana seeds	ABRC; order through TAIR www.arabidopsis.org	CS70000 (Col-0)	Arabidopsis wild-type seeds
Arabidopsis thaliana seeds	ABRC; order through TAIR www.arabidopsis.org	SALK_037606C	Arabidopsis seeds used in testing as a part of Group 1
Arabidopsis thaliana seeds	ABRC; order through TAIR www.arabidopsis.org	SALK_041402C	Arabidopsis seeds used in testing as a part of Group 1
Arabidopsis thaliana seeds	ABRC; order through TAIR www.arabidopsis.org	SALK_059101C	Arabidopsis seeds used in testing as a part of Group 1
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