

Materials List for:

A Colorimetric Method for Measuring Iron Content in Plants

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Materials

Name	Company	Catalog Number	Comments
Potassium Hexacyanoferrate(II)	Fisher Chemical	14459-95-1	Reagent for the Pussian Blue
Millex Syringe Filter Unit, Vial Vent 0.22 µm	Millex	SLGP033RS	Filter used to filter the ashes + 4% HCl Solution
Scintillation Vials	Fisherbrand	03-337-4	Used to keep the dry powdered plant material during the burning procedure.
Disposable Syringe 10 ml	Medi-Plus	1931	Syringe used during the filtration
Hydrochloric acid	Sigma-Aldrich	231-595-7	Used in the 4% HCl solution to dilute the ashes and clean the materials
<i>Tobacco, Nicotiana tabacum</i> cv. Samsun NN	Obtained from Prof. Simon Barak and routinely used in the Zaccai Lab	Barak S, Nejdat A, Heimer Y, Volokita M. Transcriptional and posttranscriptional regulation of the glycolate oxidase gene in tobacco seedlings. Plant Molecular Biology. 2001 Mar 1;45(4):399-407.	Tobacco cultivar used in this protocol
Glass Wool (Rock Wool)	Sigma-Aldrich	659997-17-3	Used in the procedure of burning samples in the furnace.