

Materials List for:

Synthesis of Plant Phenol-derived Polymeric Dyes for Direct or Mordant-based Hair Dyeing

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Materials

Name	Company	Catalog Number	Comments
Sodium dodecyl Sulfate	Promega	H5114	
Laccase from <i>Trametes versicolor</i>	Sigma	38429-1G	Enzyme activity is denoted as 0.53 U/mg
(+)-catechin hydrate	Sigma	C1251-5G	
1,2-dihydroxybenzene (catechol)	Sigma	135011-5G	
Ammonia water	Duksan	701	Ammonia contents is denoted as 25 ~ 30%
Acetic acid, glacial	Duksan	448	
Iron(II) sulfate heptahydrate	JUNSEI	83380-1250	
Ultracell 5 kDa	Amicon	PLCC06210	
Stirred ultrafiltration cells	Millipore	Model 8200	
Human gray hair	PheonixKorea	Not available	
Colorimeter	SPEC	JCS-10	
Square dish	SPL	10125	125 * 125 * 20 (mm)