

Materials List for

# Dry Root Rot Disease Assays in Chickpea: a Detailed Methodology

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jove.com/video/61702

## Materials

Name	Company	Catalog Number	Comments
Fungus- <i>Rhizoctonia bataticola</i>	Pathogen inoculum	Indian Type Culture Collection No. 8365	GenBank: MH509971.1, ITCC 8635 ( <a href="https://www.iari.res.in/index.php?option=com_content&amp;view=article&amp;id=1251&amp;Itemid=1370">https://www.iari.res.in/index.php?option=com_content&amp;view=article&amp;id=1251&amp;Itemid=1370</a> )
Soilrite mix	Soil medium in the lab	Keltech Energies Limited, Bangalore, India	<a href="http://www.keltechenergies.com/">http://www.keltechenergies.com/</a>
Filter paper	Blotting paper to support the plant growth	Himedia	<a href="http://himedialabs.com/catalogue/chemical2017/index.html#374">http://himedialabs.com/catalogue/chemical2017/index.html#374</a>
Pot	Growing plants	10 and 30 cm size pots	Routinely used nursery pots, for example, <a href="https://dir.indiamart.com/impcat/nursery-pots.html">https://dir.indiamart.com/impcat/nursery-pots.html</a>
Potato dextrose agar/broth	Culture and maintain the fungus	Cat# 213400, DifcoTM, MD, USA	<a href="https://www.fishersci.com/shop/products/bd-difco-dehydrated-culture-media-potato-dextrose-agar-3/p-4901946">https://www.fishersci.com/shop/products/bd-difco-dehydrated-culture-media-potato-dextrose-agar-3/p-4901946</a>
Incubator	Culture the fungus	LOM-150-2, S/N A113082601-38, MRC, incubator, and shaker	<a href="http://www.mrclab.com/productDetails.aspx?pid=91131">http://www.mrclab.com/productDetails.aspx?pid=91131</a>
Growth chamber	Growing plants in controlled condition	Model No. A1000, Conviron, Canada	<a href="https://www.conviron.com/products/gen1000-reach-in-plant-growth-chamber">https://www.conviron.com/products/gen1000-reach-in-plant-growth-chamber</a>
Laminar airflow	Carrying out aseptic exercises	Telstar, Bio II advance, Class II cabinet, EN-12469-2000	<a href="https://www.telstar.com/lab-hospitals-equipment/biological-safety-cabinets/bio-ii-advance-plus/">https://www.telstar.com/lab-hospitals-equipment/biological-safety-cabinets/bio-ii-advance-plus/</a> , <a href="http://www.atlantisindia.co.in/laminar-air-flow.html">http://www.atlantisindia.co.in/laminar-air-flow.html</a>
Mesh	Filtering the fungal mycelia	Nylon mosquito net	Mesh with 0.6-1 mm diameter pore size
Autoclave	Autoclaving media and chickpea seeds	Autoclave	<a href="http://www.scientificsystems.in/autoclave">http://www.scientificsystems.in/autoclave</a>
Microscopes	Visualizing the infection and fungal mycelia	SMZ25 / SMZ18, Research Stereomicroscopes, Leica EZ4 educational stereomicroscope	<a href="https://www.microscope.healthcare.nikon.com/products/stereomicroscopes-microscopes/smz25-smz18">https://www.microscope.healthcare.nikon.com/products/stereomicroscopes-microscopes/smz25-smz18</a> <a href="https://www.leica-microsystems.com/products/stereo-microscopes-microscopes/p/leica-ez4/">https://www.leica-microsystems.com/products/stereo-microscopes-microscopes/p/leica-ez4/</a>

			<a href="https://www.microscopyu.com/museum/eclipse-80i">https://www.microscopyu.com/museum/eclipse-80i</a>
Weighing balance	Weighing fungus and chemicals	Sartorius Electronic Weighing Balance, BSA 4202S-CW	<a href="https://www.sartorius.com/en/products/weighing/laboratory-balances">https://www.sartorius.com/en/products/weighing/laboratory-balances</a>
WGA-FITC	Fungus staining	Sigma	<a href="https://www.sigmaaldrich.com/catalog/product/sigma/I4895?lang=en&amp;region=IN">https://www.sigmaaldrich.com/catalog/product/sigma/I4895?lang=en&amp;region=IN</a>
Aniline blue	Fungus staining	Himedia	<a href="http://www.himedialabs.com/intl/en/products/Chemicals/Dyes-Indicators-and-Stains/Aniline-blue-Water-soluble-Practical-grade-GRM901">http://www.himedialabs.com/intl/en/products/Chemicals/Dyes-Indicators-and-Stains/Aniline-blue-Water-soluble-Practical-grade-GRM901</a>