

Materials List for:

On-Site Molecular Detection of Soil-Borne Phytopathogens Using a Portable Real-Time PCR System

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Materials

Name	Company	Catalog Number	Comments
White shell PCR plate	Bio-Rad	HSP9601	
CFX Manager	Bio-Rad	1845000	
SsoAdvanced Universal Probes Supermix	Bio-Rad	1725280	
CFX96 Touch qPCR instrument	Bio-Rad	1855195	
Ethylalcohol, pure 200 proof	Decon Laboratories	04-355-222	
Ethylenediaminetetraacetic Acid (EDTA)	Fisher BioReagents	BP118-500	
Phenol, Saturated	Fisher BioReagents	BP1750I-400	
Tris(hydroxymethyl)aminomethane (Tris)	Fisher BioReagents	BP152-5	
q16 real-time PCR machine	genesig	MBS486001	
Ultrapure Sodium Dodecyl Sulfate (SDS)	Invitrogen	15525-017	
2-Propanol (Isopropanol)	JT Baker	67-63-0	
Chloroform	JT Baker	9180-03	
Hydrochloric Acid, 36.5-38.0% (HCl)	JT Baker	9535-03	
iso-Amyl Alcohol	JT Baker	9038-01	
FastDNA Spin kit	MP Biomedicals	6560-200	Silica-based DNA extraction kit #1
Luna Universal One-Step RT-qPCR Kit	New England Biolabs	E3005S	
0.1ml Low Profile Individual PCR Tubes	Phenix Research	MPC-100LP	
Easy DNA/RNA Extraction Kit	Primerdesign	genesigEASY-EK	
genesig Easy 1.5 mL tubes	Primerdesign	genesigEASY-1.5	
Magnetic tube rack	Primerdesign	genesigEASY-MR	
Spongospora subterranea f. sp. subterranea genesig Easy Kit	Primerdesign	Path-S.subterranea-EASY	
Hexadecyltrimethylammonium bromide (CTAB)	Sigma-Aldrich	H6269-100G	
Pellet pestles	Thermo Fisher Scientific	12-141-364	
Sodium chloride (NaCl)	Thermo Fisher Scientific	7647-14-5	
DNA Miniprep kit	ZymoBIOMICS	D4300	Silica-based DNA extraction kit #2