

# Screening of Tobacco Genotypes for *Phytophthora nicotianae* Resistance

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jove.com/video/63054

## Materials

Name	Company	Catalog Number	Comments
(NH <sub>4</sub> ) <sub>2</sub> SO <sub>4</sub>	Sinopharm	10002917	Analytical Reagent
(NH <sub>4</sub> ) <sub>6</sub> Mo <sub>7</sub> O <sub>24</sub> •2 H <sub>2</sub> O	Sinopharm	XW131067681	Analytical Reagent
1.5 ml Safe-lock Microcentrifuge Tubes	Eppendorf	30120086	Used for Sample Extarction
2 ml Safe-lock Microcentrifuge Tubes	Eppendorf	30120094	Used for Sample Extarction
Agar	MDBio, Inc	9002-18-0	Materials of Culture Medium
Analytical Balance	AOHAOSI	AX2202ZH	Equipment
Autoclave	Yamatuo	SQ510C	Equipment
Autoclave	YAMATUO	SQ510C	Equipment
Beaker	Bio Best	DHSB-2L	Materials of Culture Medium
Biological Incubator	JINGHONG	SHP-250	Equipment
Ca(NO <sub>3</sub> ) <sub>2</sub> •4 H <sub>2</sub> O	Sinopharm	80029062	Analytical Reagent
CaCl <sub>2</sub>	Sinopharm	10005817	Analytical Reagent
CuSO <sub>4</sub> •5 H <sub>2</sub> O	Sinopharm	10008218	Analytical Reagent
Electromagnetic Oven	Bio Best	DHDCL	Equipment
FeSO <sub>4</sub> •7 H <sub>2</sub> O	Sinopharm	10002918	Analytical Reagent
Filter Paper	Bio Best	DHLZ-9CM	Material
Fluorescence Ration PCR Instrument	Roche	LightCycler96	Equipment
Gauze	Bio Best	17071202	Materials of Culture Medium
H <sub>3</sub> BO <sub>3</sub>	Phytotechnology	B210-500G	Analytical Reagent
Hemocytometer	Solarbio	17072801	Material for disease-resistant identification
K <sub>2</sub> SO <sub>4</sub>	Sinopharm	10017918	Analytical Reagent
KNO <sub>3</sub>	Sinopharm	10017218	Analytical Reagent
KT Foam Sheet	Bio Best	DHKTB	Material for Seedling
Low Constant Incubator	Jinghong	SHP-250	Equipment

Measuring Cylinder	Bio Best	DHBLT-1000ML	Materials of Culture Medium
MgSO <sub>4</sub> •7 H <sub>2</sub> O	Sinopharm	10013080	Analytical Reagent
Microscope	ECHO	RVL-100-G	Equipment
MnCl <sub>2</sub> •4 H <sub>2</sub> O	Sinopharm	G5468154	Analytical Reagent
Na <sub>2</sub> -EDTA	Sinopharm	G21410-250	Analytical Reagent
NaH <sub>2</sub> PO <sub>4</sub> •2 H <sub>2</sub> O	Sinopharm	20040717	Analytical Reagent
NH <sub>4</sub> NO <sub>3</sub>	Sinopharm	B64586-100g	Analytical Reagent
Oatmeal	Bio Best	DHYMP-1.5KG	Materials of Culture Medium
Petri Dish	Bio Best	DHPYM-9CM	Material for disease-resistant identification
Pipettor	THERMO	S1	Equipment
Potting	Bio Best	DHYCXHP-12CM	Material for Seedling
Potting Soil	Bio Best	DHYMJZ-50L	Seedling Material
Punch	Bio Best	DHDKW	Material
qRT-PCR Plate	Monad	MQ50401S	qRT-PCR Plate
SYBR Green Premix Pro Taq HS qPCR Kit	Accurate Biology	AG11718	PCR Reagent
Toothpick	Bio Best	DHYQ-900	Material
Total RNA Kit II	Omega	R6934-01	PCR Reagent
TransScript® II One-Step gDNA Removal and cDNA Synthesis SuperMix	Transgen	AH311-02	PCR Reagent
Trays	Bio Best	DHYMTP-90G	Material for Seedling
Vermiculite	Bio Best	DHZZ	Seedling Material
Water Purification System	HEAL FORCE	HSE68-2	Equipment
ZnSO <sub>4</sub> •7 H <sub>2</sub> O	Sinopharm	10024018	Analytical Reagent