

Materials List for:

# Pattern-Triggered Oxidative Burst and Seedling Growth Inhibition Assays in *Arabidopsis thaliana*

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## Materials

Name	Company	Catalog Number	Comments
20-20-20 Fertilizer	Plant Prod	10529	Mix 1g/L in water and apply to plants every 2 weeks for optimal growth.
4 mm Biopsy Punch	Medical Mart	232-33-34-P	A cork borer set with a 0.125 cm <sup>2</sup> surface area can also be used.
48-Well Sterile Plates with Lid	Sigma-Aldrich	CLS3548	
Analytical Scale with Draft Shield	VWR	VWR-225AC	Any standard analytical scale can be used for growth inhibition assays, however, a direct computer output is optimal.
BioHit mLine Mechanical 12 Multichannel Pipette (30-300 uL)	Sartorius	725240	Any multichannel pipette can be used, as can a single pipetter if necessary.
elf18 (Ac-SKEKFERTKPHVNVGTIG)	EZ Biolab	cp7211	Store 10 mM stock peptide at -80C in low protein binding tubes. When thawed, store 100 uM working stock at -20C.
Forceps	Fisher Scientific	22-327379	
Horseradish Peroxidase	Sigma-Aldrich	P6782	Dissolve in pure water. Store at -20C and away from light.
Luminol	Sigma-Aldrich	A8511	Dissolve in DMSO. Store at -20C and away from light.
Murisage and Skoog Basal Salts	Cedarlane Labs	MSP09-100LT	Store at 4C.
Soil	SunGrow Horticulture	Sunshine Mix #1	Other soil types can also be used to grow Arabidopsis. Mix with water when filling pots.
SpectraMax Paradigm Multi Mode Microplate Reader with LUM Module	Molecular Devices	Must request a quote	Any plate reader capable of detecting luminescence can be used for these assays.
Sucrose	Sigma-Aldrich	S0389-1KG	Store at room temperature.
White Polystyrene 96-Well Plates	Fisher Scientific	07-200-589	