

Biolistic Protocol

Organism: Tobacco, Mustard, wheat, maize

In vivo/in vitro/in situ: in vitro

Target tissue: mustard and tobacco – leaf; wheat and maize – immature embryo

Instrument: PDS-1000/He System

Tissue preparation:

Tissue to be bombarded is laid in a plate containing MS medium and hormones.

DNA	Size:	3–6 kb
	Quantity per bombardment (shot):	2 μ g
	Preparation:	QIAGEN midi prep
Microcarriers	Gold/tungsten:	Tungsten
	Size:	M-17
	Quantity per bombardment (shot):	0.5 mg
	Concentration of PVP:	Not used
Experimental details	Pressure used:	1,100 psi
	Target distance (PDS only):	9 cm
	Vacuum:	25–28" Hg

Transformation assay:

Short regeneration under a selection pressure

Additional information:

Technical tips:

Relevant publication reference(s):

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