

S1 File: solutions for protoplasts' isolation

Cell-wall digestion enzyme solution

MES: 2-[N-morpholino]-ethanesulfonic acid; CaCl₂: calcium chloride, KCl: potassium chloride

Macerozyme R-10	0,5%
Cellulase R-10	1 %
MES	20 mM
Mannitol	0,5 M
KCl	20 mM
CaCl₂	10 mM

Washing solution

MES: 2-[N-morpholino]-ethanesulfonic acid; NaCl: sodium chloride; CaCl₂: calcium chloride, KCl: potassium chloride

Glucose	5 mM
MES	2 mM
NaCl	154 mM
CaCl₂	125 mM
KCl	5 mM

MMG solution

MgCl₂: magnesium chloride

Mannitol	0,5 M
MES	4 mM
MgCl₂	15 mM