

**Protocol for QuickPick™ Plant DNA kit with PickPen® 1-M**

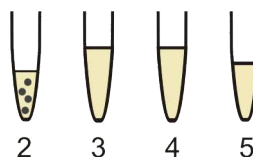
Reagent	Reagent volume per preparation		
	25 mg	50 mg	100 mg
Lysis Buffer	37.5 µl	75 µl	150 µl
Proteinase K solution	2.5 µl	5 µl	10 µl
Binding Buffer	62.5 µl	125 µl	250 µl
Magnetic Particles	2.5 µl	5 µl	10 µl
Wash Buffer	3 x 125 µl	3 x 250 µl	3 x 500 µl
Elution Buffer	25 µl	50 µl	100 µl

**Lysis of homogenized sample**

1. Homogenize the sample in Lysis Buffer and add Proteinase K into the sample suspension.
2. Mix by inverting and pulse-vortexing the tube. Incubate for 15 - 30 minutes at 65°C for cell lysis.
3. During the lysis step, pipette kit reagents into tubes 2 - 5 as follows:



- Tube 2      Magnetic Particles and Binding Buffer
- Tubes 3-5    Wash Buffer
- Tube 6      Elution Buffer



4. Centrifuge the lysed sample for 5 minutes at 18,000 x g and transfer the supernatant into tube 2.

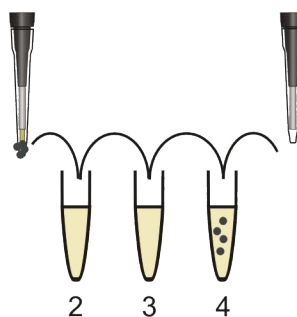


**Binding of DNA**

5. Mix tube 2 gently and incubate for 2 - 10 minutes at room temperature.

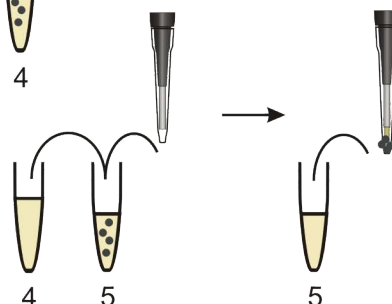
**Washing**

6. Collect the Magnetic Particles with PickPen® and wash them in tubes 3, 4 and 5.



**Elution**

7. Collect the Magnetic Particles from tube 5 and release them into tube 6. Mix tube 6 and incubate for 5 - 10 minutes at room temperature.
8. Collect the Magnetic Particles from tube 6 and discard them with the tip. Store the DNA at -20°C until use.



**Protocol for QuickPick™ Plant DNA kit with PickPen® 8-M**

Reagent	Reagent volume per preparation		
	25 mg	50 mg	100 mg
Lysis Buffer	37.5 µl	75 µl	150 µl
Proteinase K solution	2.5 µl	5 µl	10 µl
Binding Buffer	62.5 µl	125 µl	250 µl
Magnetic Particles	2.5 µl	5 µl	10 µl
Wash Buffer	3 x 125 µl	3 x 250 µl	3 x 500 µl
Elution Buffer	25 µl	50 µl	100 µl

**Lysis of homogenized samples**

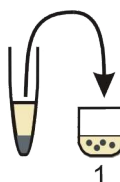
1. Homogenize 8 samples in Lysis Buffer and add Proteinase K into the sample suspensions.
2. Mix by inverting and pulse-vortexing the tubes. Incubate for 15 – 30 minutes at 65°C for cell lysis.
3. During the lysis step, pipette kit reagents into 96-well plate columns 1 - 4 as follows:



- Column 1      Magnetic Particles and Binding Buffer
- Columns 2-4    Wash Buffer
- Column 5      Elution Buffer

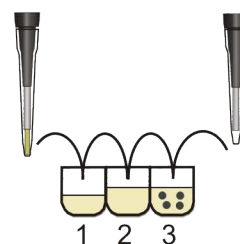


4. Centrifuge the lysed samples for 5 minutes at 18,000 x g. Transfer the supernatant from each tube into the respective wells of column 1.



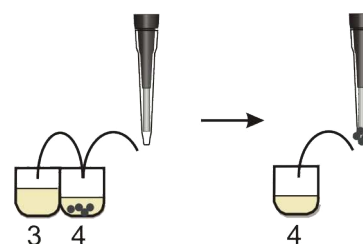
**Binding of DNA**

5. Mix the 96-well plate on the orbital shaker for 2 - 10 minutes at room temperature.



**Washing**

6. Collect the Magnetic Particles with PickPen® and wash them in columns 2, 3 and 4.



**Elution**

7. Collect the Magnetic Particles from column 4 and release them into column 5. Mix the 96-well plate on the orbital shaker for 5 - 10 minutes at room temperature.
8. Collect the Magnetic Particles from column 5 and discard them with the tips. Store the DNA at -20°C until use.