Protocol for QuickPick™ Plant DNA kit with QuicPick™ Single Magnet

Reagent	Reagent volume per preparation		
Sample amount	**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

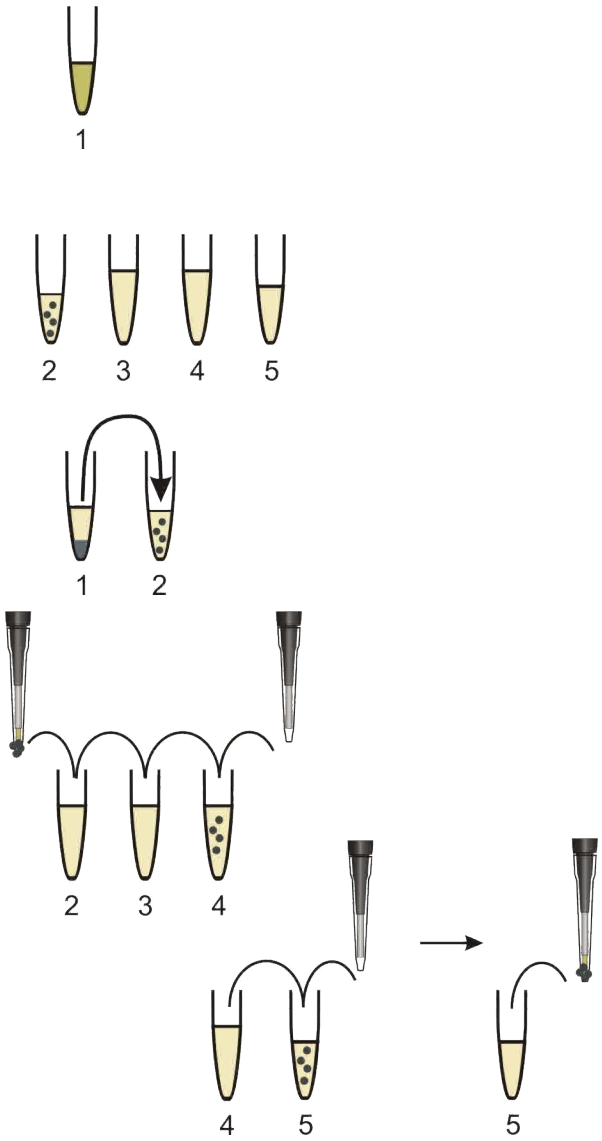
1. Homogenize the sample in Lysis Buffer and add Proteinase K into the sample suspension.

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 QuicPick 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
QuickPick™ Plant DNA

Protocol for QuickPick™ Plant DNA kit with PickPen™ multiEight

Reagent	Reagent volume per preparation		
Sample amount	**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

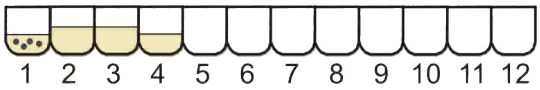
Lysis of homogenized samples

1. Homogenize 8 samples in Lysis Buffer and add Proteinase K into the sample suspensions.

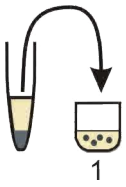
2. Mix by inverting and pulse-vortexing the tubes. Incubate for 15 – 30 minutes at 65 C for cell lysis.

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.

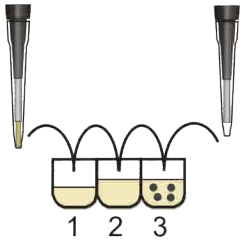


Binding of DNA

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

Washing

6. Collect the Magnetic Particles with QuicPick 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.