

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

Reagent	Reagent volume per preparation			
	25 µl	50 µl	100 µl	200 µl
Sample amount	25 µl	50 µl	100 µl	200 µl
Lysis Buffer	25 µl	50 µl	100 µl	200 µl
Proteinase K solution	2.5 µl	5 µl	10 µl	20 µl
Binding Buffer	62.5 µl	125 µl	250 µl	500 µl
Magnetic Particles	2 µl	4 µl	8 µl	16 µl
Wash Buffer 1	2 x 125 µl	2 x 250 µl	2 x 500 µl	2 x 750 µl
Wash Buffer 2	125 µl	250 µl	500 µl	750 µl
Elution Buffer	25 µl	50 µl	100 µl	200 µl

Lysis of sample

1. Add Proteinase K solution and Lysis Buffer into the sample tube.
2. Mix by inverting and pulse-vortexing the tube. Incubate for 10 - 30 minutes at 56°C for cell lysis.
3. During the lysis step, pipette kit reagents into tubes 2 - 5 as follows:

Tube 2 Wash Buffer 1
 Tube 3 Wash Buffer 1
 Tube 4 Wash Buffer 2
 Tube 5 Elution Buffer

4. After the lysis, pipette Magnetic Particles and Binding Buffer into the sample.

Binding of DNA

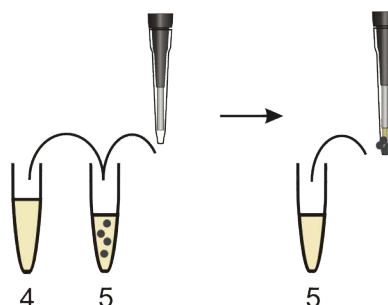
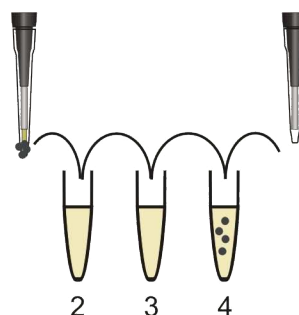
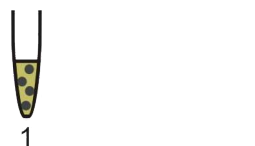
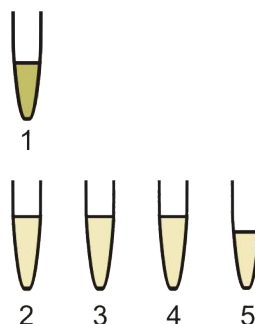
5. Mix tube 1 gently and incubate for 2 - 10 minutes at room temperature.

Washing

6. Collect the Magnetic Particles with PickPen® and wash them in tube 2.
7. Repeat the washing step in tubes 3 and 4.

Elution

8. Collect the Magnetic Particles from tube 4 and release them into tube 5. Mix tube 5 and incubate for 2 - 10 minutes at room temperature.
9. Collect the Magnetic Particles from tube 5 and discard them with the tip. Store the DNA at -20°C until use.



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

Reagent	Reagent volume per preparation			
	25 µl	50 µl	100 µl	200 µl
Sample amount	25 µl	50 µl	100 µl	200 µl
Lysis Buffer	25 µl	50 µl	100 µl	200 µl
Proteinase K solution	2.5 µl	5 µl	10 µl	20 µl
Binding Buffer	62.5 µl	125 µl	250 µl	500 µl
Magnetic Particles	2 µl	4 µl	8 µl	16 µl
Wash Buffer 1	2 x 125 µl	2 x 250 µl	2 x 500 µl	2 x 750 µl
Wash Buffer 2	125 µl	250 µl	500 µl	750 µl
Elution Buffer	25 µl	50 µl	100 µl	200 µl

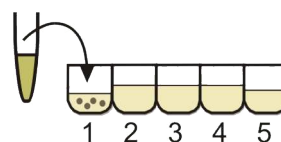
Lysis of sample

1. Add Proteinase K solution and Lysis Buffer into the sample tubes.
2. Mix by inverting and pulse-vortexing the tubes. Incubate for 10 - 30 minutes at 56°C for cell lysis.
3. During the lysis step, pipette kit reagents into columns 1 - 5 of a 96-well plate as follows:

- Column 1 Magnetic Particles and Binding Buffer
- Column 2 Wash Buffer 1
- Column 3 Wash Buffer 1
- Column 4 Wash Buffer 2
- Column 5 Elution Buffer



4. Transfer the lysed samples from each sample tube into the respective wells of column 1.

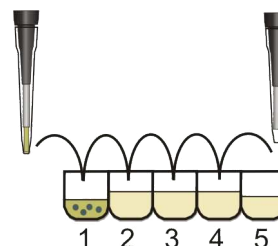


Binding of DNA

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 column 2.
7. Repeat the washing step in columns 3 and 4.



Elution

8. Collect the Magnetic Particles from column 4 and release them into column 5. Mix the plate on the orbital shaker for 2 - 10 minutes at room temperature.
9. Collect the Magnetic Particles from column 5 and discard them with the tips. Store the DNA at -20°C until use.

