Protocol
QuickPick™ total RNA

BN PRODUCTS&SERVICES

Protocol for QuickPick™ total RNA kit with PickPen® 1-M

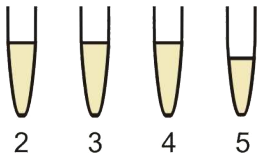
Reagent	Reagent volume per preparation			
Sample amount	**25 µl**	**50 µl**	**100 µl**	**10 mg**
Lysis Buffer	25 µl	50 µl	100 µl	200 µl
Proteinase K solution	2.5 µl	5 µl	10 µl	20 µl
Binding Buffer	62.5 µl	125 µl	250 µl	500 µl
Magnetic Particles	2.5 µl	5 µl	10 µl	20 µl
Wash Buffer	2 x 125 µl	2 x 250 µl	2 x 500 µl	2 x 1000 µl
DNase Buffer	25 µl	50 µl	100 µl	200 µl
Elution Buffer	5 - 25 µl	10 - 25 µl	25 – 50 µl	50 - 100 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
Tube 3	DNase Buffer (DNase I added)
Tube 4	Wash Buffer
Tube 5	Elution Buffer

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

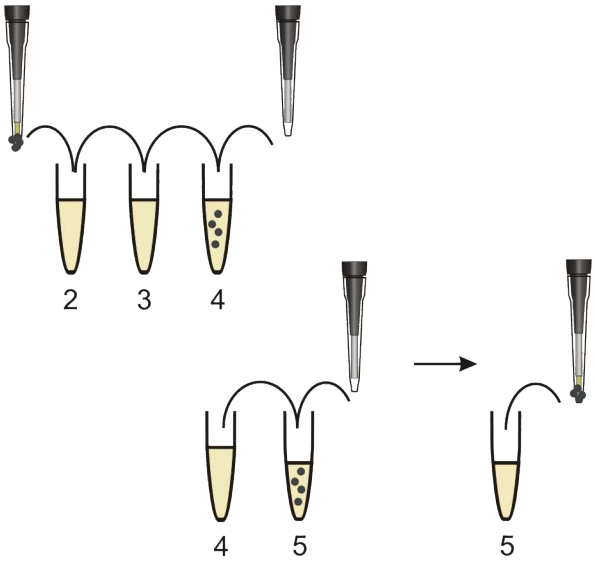


Binding of RNA

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

Washing and DNA degration

6. Collect the Magnetic Particles with PickPen® and wash them in tube 2.
7. Collect the Magnetic Particles and incubate them for 5 – 10 minutes in tube 3.
8. Collect the Magnetic Particles and wash them in tube 4.



Elution of RNA

9. Collect the Magnetic Particles from tube 4 and release them into tube 5. Mix tube 5 and incubate for 2 - 10 minutes.
10. Collect the Magnetic Particles from tube 5 and discard them with the tip. Store the RNA at -80°C until use.

Protocol

QuickPick™ total RNA

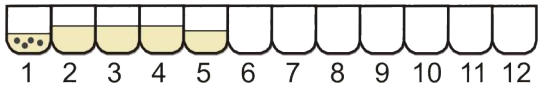
Protocol for QuickPick™ total RNA kit with PickPen® 8-M

Reagent	Reagent volume per preparation			
Sample amount	**25 µl**	**50 µl**	**100 µl**	**10 mg**
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	2.5 µl	5 µl	10 µl	20 µl
Wash Buffer	2 x 125 µl	2 x 250 µl	2 x 500 µl	2 x 1000 µl
DNase Buffer	25 µl	50 µl	100 µl	200 µl
Elution Buffer	5 - 25 µl	10 - 25 µl	25 – 50 µl	50 - 100 µl

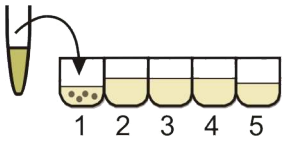
Lysis of sample

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
Column 3	DNase I Buffer (DNase I added)
Column 4	Wash Buffer
Column 5	Elution Buffer



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

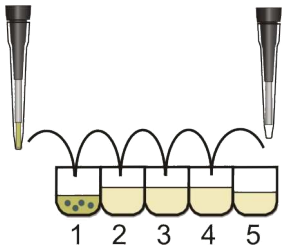


Binding of RNA

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

Washing and DNA degration

6. Collect the Magnetic Particles with PickPen® and wash them in column 2.
7. Collect the Magnetic Particles and incubate them for 5 – 10 minutes in column 3.
8. Collect the Magnetic Particles and wash them in column 4.



Elution of RNA

9. Collect the Magnetic Particles from column 4 and release them into column 5. Mix the plate on the orbital shaker for 2 - 10 minutes.
10. Collect the Magnetic Particles and discard them with the tips. Store the RNA at -80°C until use.