

**Protocol for QuickPick™ total RNA kit with QuicPick™ one magnet**

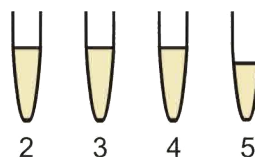
Reagent	Reagent volume per preparation			
	25 µl	50 µl	100 µl	10 mg
Sample amount	25 µl	50 µl	100 µl	10 mg
Lysis Buffer	25 µl	50 µl	100 µl	200 µl
Proteinase K solution	2.5 µl	5 µl	10 µl	20 µl
Binding Buffer	62.5 µl	125 µl	250 µl	500 µl
Magnetic Particles	2.5 µl	5 µl	10 µl	20 µl
Wash Buffer	2 x 125 µl	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.

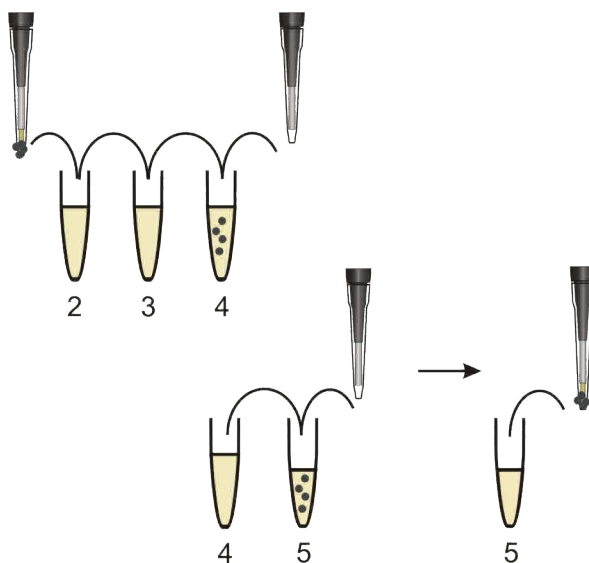


**Binding of RNA**

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

**Washing and DNA degradation**

6. Collect the Magnetic Particles with QuicPick 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 for QuickPick™ total RNA kit with QuicPick™ multiEight**

Reagent	Reagent volume per preparation			
	25 µl	50 µl	100 µl	10 mg
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
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Elution Buffer	5 - 25 µl	10 - 25 µl	25 - 50 µl	50 - 100 µl

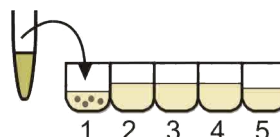
**Lysis of sample**

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



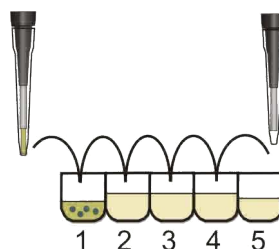
4. Transfer the lysed samples from each sample tube into the respective wells of column 1.


**Binding of RNA**

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

**Washing and DNA degradation**

6. Collect the Magnetic Particles with QuicPick 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.

