Presto™ 96 Well PCR Cleanup Kit Quick Protocol

For research use only

Catalogue Number

96DFH02, 96DFH04, 96DFH10

Instruction Manual Download

When using this product for the first time, or if you are unfamiliar with the procedure, please scan the QR code and download the complete instruction manual.

Instruction Manual Download

IMPORTANT BEFORE USE!

1. Add absolute ethanol (see the bottle label for volume) to Wash Buffer then mix by shaking for a few seconds. Check the box on the bottle. Be sure and close the bottle tightly after each use to avoid ethanol evaporation.
2. It is not necessary to remove mineral oil or kerosene from the PCR sample prior to cleanup.

Vacuum Protocol

1. Vacuum Manifold Preparation

Place the waste tray on the manifold base then place the binding top plate on the manifold base. Place the **Presto™ PCR Cleanup 96 Well Binding Plate** in the binding top plate aperture. Seal unused wells of the **96 Well Binding Plate** with **Adhesive Film** then attach the vacuum manifold to a vacuum source.

2. DNA Binding

Add **3 volumes of Binding Buffer to 1 volume of PCR sample** then mix by pipetting. Transfer the sample mixture to each well of the **Presto™ PCR Cleanup 96 Well Binding Plate** (E.g. Add 150 µl of Binding Buffer to 50 µl of PCR sample). If the PCR sample is less than 50 µl, adjust the volume to 50 µl with ddH_2O. Apply vacuum at 15 inches Hg until samples pass through completely (approx.10 seconds) then turn off the vacuum.

3. Wash

Add **500 µl of Wash Buffer (make sure ethanol was added)** to each well of the **Presto™ PCR Cleanup 96 Well Binding Plate**. Let stand for 1 minute. Apply vacuum at 15 inches Hg until Wash Buffer passes through completely (approx.10 seconds) then turn off the vacuum. **Add 500 µl of Wash Buffer (make sure ethanol was added)** to each well. Apply vacuum at 15 inches Hg until Wash Buffer passes through completely. Continue to apply vacuum for an additional 10 minutes to dry the membrane then turn off the vacuum.

4. Elution

Remove the **Presto™ PCR Cleanup 96 Well Binding Plate** from the binding top plate aperture and blot the nozzles on a clean absorbent paper towel to remove residual ethanol. Remove the waste tray from the manifold base then place the collection plate spacer on the manifold base. Place a **0.35 ml collection plate** on top of the collection plate spacer. Place the binding top plate back on the manifold base then place the **96 Well Binding Plate** back in the binding top plate aperture. Add **60-80 µl of Elution Buffer**[1], TE[2] or water[3] into the **CENTER** of each well of the **96 Well Binding Plate**. Let stand for at least 3 minutes to ensure the Elution Buffer, TE or water is absorbed by the membrane. Apply vacuum at 15 inches Hg for 5 minutes then turn off the vacuum. Seal the **0.35 ml Collection Plate** with **Adhesive Film** and store the purified DNA at -20ºC. The average eluate volume is 60 µl from 80 µl elution buffer volume, and 40 µl from 60 µl elution buffer volume.

Centrifuge Protocol

1. DNA Binding

Place the **Presto™ PCR Cleanup 96 Well Binding Plate** on a 96 Deep Well Plate or a standard Square-Well Block. Add **3 volumes of Binding Buffer to 1 volume of the PCR sample** then mix by pipetting. Transfer the sample mixture to each well of the **96 Well Binding Plate**. (E.g. add 150 µl of Binding Buffer to 50 µl PCR sample). If the PCR sample is less than 50 µl, adjust the volume to 50 µl with ddH_2O. Centrifuge the **96 Well Binding Plate** and 96 Deep Well Plate together at 3,000 x g for 5 minutes. Discard the flow-through then place the **96 Well Binding Plate** back on the 96 Deep Well Plate.

2. Wash

Add **500 µl of Wash Buffer (make sure ethanol was added)** to each well of the **Presto™ PCR Cleanup 96 Well Binding Plate**. Let stand for 1 minute. Centrifuge the **96 Well Binding Plate** and 96 Deep Well Plate together at 3,000 x g for 5 minutes. Discard the flow-through then place the **96 Well Binding Plate** back on the 96 Deep Well Plate. Add **500 µl of Wash Buffer (make sure ethanol was added)** to each well. Centrifuge the **96 Well Binding Plate** and 96 Deep Well Plate together at 3,000 x g for 5 minutes. Discard the flow-through then place the **96 Well Binding Plate** back on the 96 Deep Well Plate. Centrifuge the **96 Well Binding Plate** and 96 Deep Well Plate together at 3,000 x g for an additional 10 minutes to dry the membrane.

3. Elution

Remove the **Presto™ PCR Cleanup 96 Well Binding Plate** from the 96 Deep Well Plate then blot the nozzles on a clean absorbent paper towel to remove residual ethanol. Place the **96 Well Binding Plate** on a **0.35 ml Collection Plate**. Add **60-80 µl of Elution Buffer**, TE or water to the center of each well. Let stand for at least 3 minutes to ensure the Elution Buffer, TE or water is absorbed by the membrane. Centrifuge the **96 Well Binding Plate** and **0.35 ml Collection Plate** together at 3,000 x g for 5 minutes to elute the purified DNA. Seal the **0.35 ml Collection Plate** with **Adhesive Film** and store the purified DNA at -20ºC. The average eluate volume is 60 µl from 80 µl elution buffer volume, and 40 µl from 60 µl elution buffer volume.

Components

Component	96DFH02	96DFH04	96DFH10
Binding Buffer	40 ml	80 ml	240 ml x 1
Wash Buffer[1] (Add Ethanol)	50 ml (200 ml)	50 ml x 2 (200 ml x 2)	50 ml x 5 (200 ml x 5)
Elution Buffer	30 ml	60 ml	100 ml
Presto™ PCR Cleanup 96 Well Binding Plates	2	4	10
0.35 ml Collection Plates	2	4	10
Adhesive Film	4	8	20

[1]Add absolute ethanol (see the bottle label for volume) to Wash Buffer then mix by shaking for a few seconds. Check the box on the bottle. Be sure and close the bottle tightly after each use to avoid ethanol evaporation.

Storage

Dry at room temperature (15-25ºC)