

Presto™ Vac 96 Vacuum Manifold

ZVF01 (Vacuum Manifold and Accessories)

ZVF03 (Vacuum Manifold and Accessories)

Advantages

Efficient: purify DNA/RNA from 96 samples concurrently using Presto™ 96 Well Plates and Kits

Convenient: components for both filtration and binding

Format: cm and inch Hg pressure gauge

Design: compact, robust design ensures stability and reproducibility

Flowthrough: binding plates/filter plates seal tightly to the gasket when vacuum pressure is applied to facilitate uniform flowthrough

Manifold Storage: dry at room temperature (15-25°C)

Specifications

Material: manifold (anodized aluminum), gasket (ethylene propylene)

Dimensions: 18 cm(L) x 13 cm(W) x 13 cm(H) - ZVF03, 17 cm(L) x 12 cm(W) x 9 cm(H) - ZVF01

Weight: approximately 3 kg (ZVF01), approximately 4 kg (ZVF03)

Components

ZVF01: binding top plate, manifold base, waste tray, collection plate spacer

ZVF03: filter top plate, binding top plate, manifold base, waste tray, collection plate spacer

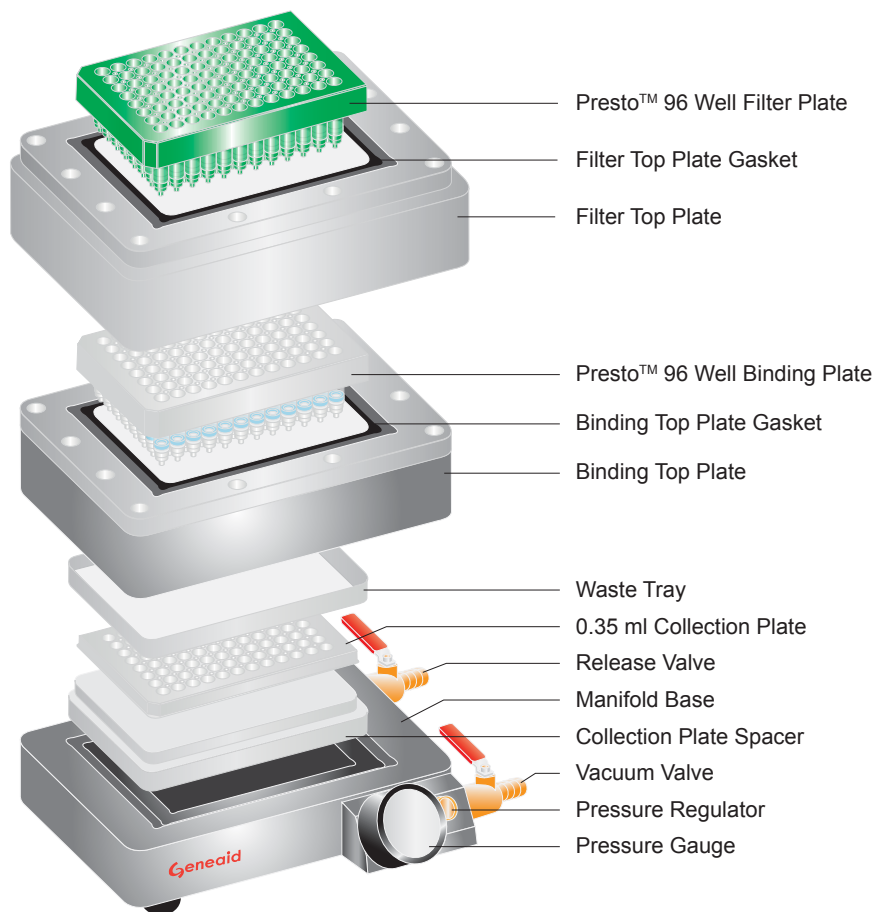
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Introduction

The Presto™ Vac 96 Vacuum Manifold is an efficient system for manually purifying DNA and RNA from 96 samples concurrently using Presto™ 96 Well Plates and Kits. A large pressure gauge allows for clear determination of vacuum pressure in both cm and inch Hg which can be easily adjusted with the ergonomically designed pressure regulator. Binding plates and filter plates seal tightly to the gasket when vacuum pressure is applied to facilitate uniform flowthrough. The waste tray allows for quick and easy disposal of reagent flowthrough and the flat spacer reduces the distance between the 0.35 ml collection plate and binding plate to ensure complete eluate collection. The compact yet robust design ensures stability during vacuum procedures for excellent reproducibility.

Presto™ Vac 96 Vacuum Manifold Overview





When operating the manifold, always wear a lab coat, disposable gloves, and protective goggles.

Presto™ Vac 96 Vacuum Manifold

Please read the entire instruction manual prior to using the manifold.

1. Manifold Setup

Place the manifold on a stable lab bench. Remove the Filter Top Plate and set aside. Remove the Binding Top Plate and set aside. Place the Waste Tray in the Manifold Base then place the Binding Top Plate back on the Manifold Base. Place a Presto™ 96 Well Binding Plate on the Binding Top Plate. For procedures which require the use of filtration, place the Filter Top Plate on the Binding Top Plate then place a Presto™ 96 Well Filter Plate on the Filter Top Plate. Proceed according to the Presto™ 96 Well Kit product manual. Prior to elution, the Top Plates and Waste Tray should be removed. Place the Collection Plate Spacer on the Manifold Base then place the 0.35 ml Collection Plate on the spacer. Replace the Binding Top Plate. Proceed according to the Presto™ 96 Well Kit product manual.

2. Vacuum Setup

Make sure the Pressure Regulator is closed (turned all of the way clockwise) and both the Vacuum Valve and the Release Valve are in the closed position. When the Vacuum Valve and Release Valve handles are parallel to the valves, the valves are open. When the handles are perpendicular to the valves, the valves are closed. Connect the manifold to a vacuum source by attaching the vacuum hose to the Vacuum Valve. Turn on the vacuum source and open the Vacuum Valve. If less vacuum pressure is required, turn the Pressure Regulator to the left (counter clockwise). Pressing the 96 well plates down firmly will help seal the plates to the gasket more quickly. Adhesive film can be used to cover empty wells to improve efficiency.

3. 96 Well Plate Removal

Once the wells have emptied completely, turn the Vacuum Valve to the closed position and turn the Release Valve to the open position. Allow the Pressure Gauge to return to zero, prior to removing the 96 well plate.

4. Manifold Maintenance

The Presto™ Vac 96 Vacuum Manifold should be thoroughly cleaned and dried after each use. Exposing the Pressure Gauge to excessive amounts of moisture should be avoided to prevent internal rusting. Exposing the entire manifold to harsh chemicals should also be avoided.

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