Thermo Scientific™ FastVac™ Vacuum Manifold

Catalog Numbers A35899

Pub. No. MAN0017150 **Rev.** B.0

Product information

The Thermo Scientific™ FastVac™ Vacuum Manifold features durable chemical-resistant construction and is capable of processing up to 20 samples simultaneously using vacuum, eliminating the need for multiple centrifugation steps and disposal of flow-through from collection tubes. The one-way Luer-Lok stopcocks are compatible with most nucleic acid purification columns and individually controlled, allowing to process as little as one sample at a time. Furthermore, the extra-large waste reservoir makes the FastVac™ Vacuum Manifold ideal and convenient for protocols that require large volumes to be processed.

Product specifications

- **Capability**: The FastVac™ Vacuum Manifold is capable of processing 1 to 20 samples simultaneously using columns and a vacuum source.
- **Composition**: The FastVac™ Vacuum Manifold consist of a linear, low-density polyethylene manifold body, one-way Luer-Lok stopcocks made of a polycarbonate body and polypropylene handle, a polypropylene vacuum hose connector, and a neoprene stopper.
- **Compatibility**: The FastVac™ Vacuum Manifold is compatible with most nucleic acid purification kits. Refer to your specific kit's instruction manual for more information regarding compatibility and processing with a vacuum manifold.

Contents and storage

Component	Cat. No. A35899	Storage temp.
FastVac™ Vacuum Manifold	1	Room temp.
FastVac™ Vacuum Manifold Luer-Loks	20	
Neoprene Stopper	1	

Note: Integrity of product components is guaranteed for up to one year from date of purchase. Components are routinely tested on a lot-to-lot basis to ensure they provide maximal performance and reliability.

Required material not supplied

- A vacuum pump, ideally capable of producing at least 400 mm Hg pressure at the vacuum manifold. Contact thermofisher.com/support if you have any questions regarding the suitability of your vacuum source.

Procedural guidelines

- Thermo Fisher Scientific is not responsible for injury or damage caused by the use of this unit when operated for purposes which it is not intended. Use of the manifold in a manner not specified in this manual will void the warranty offered on this unit.
- The vacuum manifold operates under pressure. For your protection, wear appropriate protective eyewear, clothing and gloves when operating the manifold.
- Use only the recommended vacuum pressure stated in your purification kit manual. Using higher than the recommended vacuum pressure may cause sample splattering or inefficient nucleic acid binding, while using a lower than recommended vacuum pressure affects the elution, resulting in lower recovery.
- Refer to your specific kit's instruction manual regarding compatibility and processing with a vacuum manifold.
- Do not over tighten the collar of the one-way Luer-Lok stopcocks as it may strip the threads of the manifold connectors.
- Ensure the Neoprene Stopper fits tightly as it is a safety valve in the event of excessive pressure buildup. Do not restrict the removal of the rubber stopper in any way.
- Do not secure the vacuum hose to the FastVac™ Vacuum Manifold with a hose clamp as the hose connection is a safety valve in the event of excessive pressure buildup.

Product setup

1. Remove the FastVac™ Vacuum Manifold, one-way Luer-Lok stopcocks, and neoprene stopper from their packaging and inspect for damage.

   Do not use if any cracks are present.

2. Insert the neoprene stopper into the hole located at one end of the FastVac™ Vacuum Manifold.

3. Securely attach a one-way Luer-Lok stopcock to all 20 manifold connectors located on the top of the FastVac™ Vacuum Manifold by screwing the collar of the stopcock onto the manifold connector.

4. Close all stopcocks by turning each handle to a vertical position.

5. Attach a vacuum hose to the black hose connector located at the end of the FastVac™ Vacuum Manifold.

6. Connect the vacuum hose to a vacuum source.

The FastVac™ Vacuum Manifold is now ready for use.

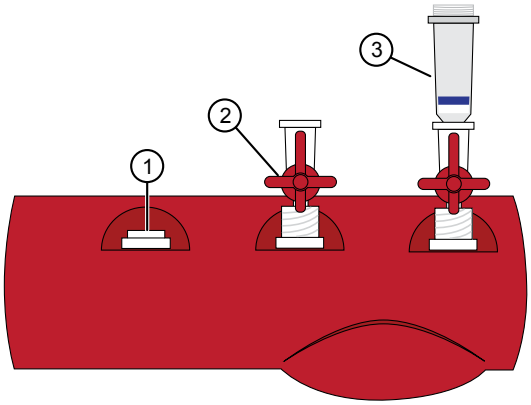

Figure 1 Diagram of the FastVac™ Vacuum Manifold

① Manifold connector
② One-way Luer-Lok stopcock
③ Nucleic acid purification column

Product care

1. After use, turn the vacuum off and disconnect the vacuum hose from the FastVac™ Vacuum Manifold.

2. Take the manifold to a suitable liquid disposal area.

   Refer to the kit's SDS and your institution's environmental health and safety policies regarding appropriate liquid waste disposal.

3. Remove the neoprene stopper from the end of the FastVac™ Vacuum Manifold to drain the manifold, then rinse thoroughly with water.

4. Inspect the manifold body and one-way Luer-Lok stopcocks for damage.

   Do not use if there are any cracks or significant abrasions.

5. Insert the neoprene stopper back into the FastVac™ Vacuum Manifold and reconnect the vacuum manifold to the vacuum hose.

Limited product warranty

Life Technologies Corporation and/or its affiliate(s) warrant their products as set forth in the Life Technologies' General Terms and Conditions of Sale found on Life Technologies' website at **www.thermofisher.com/us/en/home/global/terms-and-conditions.html**. If you have any questions, please contact Life Technologies at **www.thermofisher.com/support**.

Manufacturer: Life Technologies Corporation | 5781 Van Allen Way | Carlsbad, CA 92008

Revision history: Pub. No. MAN0017150

Revision	Date	Description
B.0	11-September-2017	Update to vacuum manifold name.
A.0	03-July-2017	New product