ZYMO RESEARCH

DNA Purification Made Simple™

EZ-Vac™ Vacuum Manifold

Perform nucleic acid purification using a vacuum.

Highlights

- Rapidly process up to 20 samples without the need for repeated centrifugation steps.
- Compatible with many of Zymo Research's spin-column based nucleic acid purification kits
- Unique design accommodates large processing volumes easily.

Catalog Numbers:
S7000

Scan with your smart-phone camera to view the online protocol/video.

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Product Contents

EZ-Vac™ Vacuum Manifold	Catalog No. S7000	Storage Temperature
EZ-Vac™ Manifold[1]	1	Room Temp.
One-Way Luer-Lock Stopcock	20	Room Temp.
Neoprene Stopper	1	Room Temp.
Instruction Manual	1	-

[1] Operating a laboratory vacuum can present a significant safety hazard. Please read the instruction manual carefully before using the Zymo-Vac™ Vacuum Manifold. Failure to do so may result in personal injury and/or property damage.

Specifications

- **Capability –** The EZ-Vac™ Vacuum Manifold is capable of processing 1 in 20 samples simultaneously using Zymo-Spin columns and a vacuum source.

- **Composition –** The EZ-Vac™ Vacuum Manifold consists of linear, low-density polyethylene (LLDPE) manifold body, One-Way Luer-Lock Stopcocks made of a polycarbonate body and polypropylene handle, a polypropylene vacuum hose connector and a neoprene stopper.

- **Compatibility –** The EZ-Vac™ Vacuum Manifold is compatible with most Zymo Research nucleic acid purification kits. Please refer to your specific kit's instruction manual for more information regarding compatiblity and processing with a vacuum manifold. Recommended for use with Zymo Research products only.

- **Required Equipment –** A vacuum pump, ideally capable of producing at least 400 mm Hg pressure at the vacuum manifold and vacuum tubing with an internal diameter of about 3/8 of an inch (9.5 mm). Please contact Zymo Research Corporation if you have any questions regarding the suitability of your vacuum source.

Product Description

The **EZ-Vac™ Vacuum Manifold** features durable chemical-resistant construction and is capable of processing up to 20 samples simultaneously using vacuum pressure. The vacuum manifold allows researchers to simplify their nucleic acid purification workflows further by eliminating the need for multiple centrifugation steps and disposal of flow-through from collection tubes. The One-Way Luer-lock Stopcocks are compatible with most Zymo Research spin-columns and individually controlled, allowing users to process as little as one sample at a time. Furthermore, the extra-large waste reservoir makes the EZ-Vac™ Vacuum Manifold ideal and convenient for protocols that require large volumes to be processed.



EZ-Vac™ Vacuum Manifold

Product Set-Up

The EZ-Vac™ Vacuum Manifold is designed for use with Zymo Research products only. Use with other products/chemicals may result in personal injury or property damage.

Please refer to your kit's instruction manual for more information regarding compatibility and processing with a vacuum manifold.

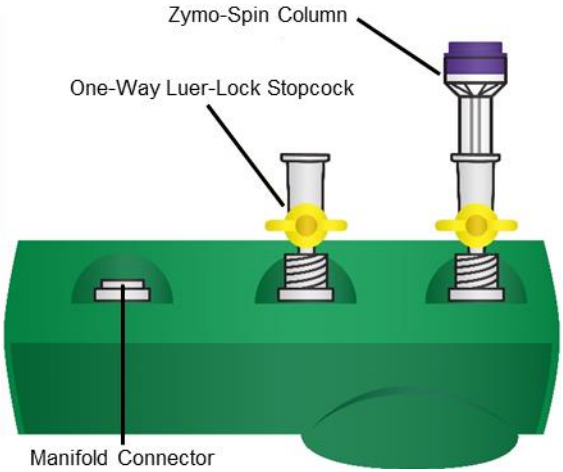
1. Remove the **EZ-Vac Vacuum™ Manifold**, **One-Way Luer-Lock Stopcocks**, and **Neoprene Stopper** from their packaging and inspect for damage. Do not use if any cracks are present.

2. Insert the Neoprene Stopper into the hole located at one end of the EZ-Vac™ Vacuum Manifold[1].

3. Securely attach a One-Way Luer-Lock Stopcock to all 20 manifold connectors located on the top of the EZ-Vac™ Vacuum Manifold by screwing the collar of the stopcock onto the manifold connector[2]. Close all stopcocks by turning each handle to a horizontal position.

4. Attach a vacuum hose to the black hose connector located at the end of the EZ-Vac™ Vacuum Manifold[3].

5. Connect the vacuum hose to a vacuum source[4]. Your EZ-Vac™ Vacuum Manifold is now ready for use.



[1] Ensure the Neoprene Stopper fits tightly. The Neoprene Stopper serves as a safety valve in the event of excessive pressure buildup. Do not restrict the removal of the rubber stopper in any way.
[2] Do not overtighten the collar of the One-Way Luer-Lock Stopcocks. This may result in stripping the threads of the manifold connectors.
[3] The hose connection also serves as a safety valve in the event of excessive pressure buildup. Do not secure the vacuum hose to the Zymo-Vac™ Vacuum Manifold with a hose clamp.
[4] A vacuum pump, ideally capable of producing at least 400 mm Hg pressure at the vacuum manifold is recommended. Please contact Zymo Research Corporation if you have any questions regarding the suitability of your vacuum source.

Product Care

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

2. Take the manifold to a suitable liquid disposal area. Please refer to the kit's MSDS and your institution's environmental health and safety policies regarding appropriate liquid waste disposal.

3. Remove the Neoprene Stopper from the end of the EZ-Vac™ Vacuum Manifold and drain the manifold thoroughly.

4. Inspect the manifold body and One-Way Luer-Lock Stopcocks for damage. Do not use if there are any cracks or significant abrasions.

5. Insert the Neoprene Stopper back into the EZ-Vac™ Vacuum Manifold and reconnect the vacuum manifold to the vacuum hose.

Ordering Information

Product Description	Size	Catalog No.
EZ-Vac™ Vacuum Manifold	1 Manifold	S7000

For Individual Sale	Amount	Catalog No.
One-Way Luer-Lock Stopcock	20	S70001
Neoprene Stopper	1	S70002

Complete Your Cloning Workflow

✓ **Transfection-grade plasmid DNA from a miniprep**

ZymoPURE™ Plasmid Miniprep	Size	Catalog No.
ZymoPURE™ Plasmid Miniprep Kit	10 Preps. 50 Preps. 100 Preps. 400 Preps. 800 Preps.	D4208T D4309 D4210 D4211 D4212

✓ **20 Minute Endotoxin-Free Midi & Maxipreps**

ZymoPURE™ II Plasmid Prep Kits	Size	Catalog No.
ZymoPURE™ II Plasmid Midiprep Kit	25 Preps. 50 Preps.	D4200 D4201
ZymoPURE™ II Plasmid Maxiprep Kit	10 Preps. 20 Preps.	D4202 D4203
ZymoPURE™ II Plasmid Gigaprep Kit	5 Preps.	D4204

✓ **Simple 20 second High Efficiency Transformations**

Mix & Go! Competent Cells	Size	Catalog No.
DH5α	10 x 100 µl aliquots 96 x 50 µl aliquots 96 x 50 µl aliquots PCR Plate	T3007 T3009 T3010
JM109	10 x 100 µl aliquots 96 x 50 µl aliquots	T3019 T3020
Zymo10B	10 x 100 µl aliquots 96 x 50 µl aliquots	T3003 T3005
HB101	10 x 100 µl aliquots 96 x 50 µl aliquots	T3011 T3013
TG1	10 x 100 µl aliquots	T3017

✓ **Recover ultra-pure highly concentrated DNA from PCR & other sources**

DNA Clean & Concentrator™	Size	Catalog No.
DNA Clean & Concentrator™-5	50 Preps. 200 Preps.	D4003 D4004
ZR-96 DNA Clean-Up Kit™	2 x 96 Preps. 4 x 96 Preps.	D4017 D4018

✓ **Rapid extraction of ultra-pure DNA from agarose gels**

Zymoclean Gel DNA Recovery™	Size	Catalog No.
Zymoclean™ Gel DNA Recovery Kit	50 Preps. 200 Preps.	D4001 D4002

Notes



100% satisfaction guarantee on all Zymo Research products, or your money back.

Zymo Research is committed to simplifying your research with quality products and services. If you are dissatisfied with this product for any reason, please call 1(888) 882-9682.

Integrity of kit components is guaranteed for up to one year from date of purchase.
Reagents are routinely tested on a lot-to-lot basis to ensure they provide the highest performance and reliability.

This product is for research use only and should only be used by trained professionals. It is not for use in diagnostic procedures. Some reagents included with this kit are irritants. Wear protective gloves and eye protection. Follow the safety guidelines and rules enacted by your research institution or facility.

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The **BEAUTY** *of* **SCIENCE** *is to Make Things* **SIMPLE**®

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