



ZYMO RESEARCH

DNA  
Purification  
*Made Simple*

## EZ-Vac 96™ Vacuum Manifold

Perform high-throughput nucleic acid purification using a vacuum.

### Highlights

- Process up to 96 samples simultaneously without the need for repeated centrifugation steps.
- Compatible with the ZymoPURE™ 96 Plasmid Miniprep Kit.
- Eliminates the need to remove waste during nucleic acid purification.

Catalog Numbers:  
S7003



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



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# Product Contents

EZ-Vac 96™ Vacuum Manifold <sup>1</sup>	S7003	Storage Temperature
Vacuum Manifold Base	1	Room Temp.
Manifold Collar	1	Room Temp.
Manifold Bed	1	Room Temp.
Vacuum Inserts	1	Room Temp.

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<sup>1</sup> Operating a laboratory vacuum can present a significant safety hazard. Please read the instruction manual carefully before using the EZ-Vac 96™ Vacuum Manifold. Failure to do so may result in personal injury and/or property damage.

# Specifications

- **Capability** – The EZ-Vac 96™ Vacuum Manifold is capable of processing up to 96 samples simultaneously using 96-well vacuum plates and a vacuum source.
- **Compatibility** – The EZ-Vac 96™ Vacuum Manifold is compatible with ZymoPURE™ 96 Plasmid Miniprep Kit (Cat# D4214 and D4215). Please refer to the ZymoPURE™ 96 Plasmid Miniprep Kit instruction manual for more information regarding processing with the EZ-Vac 96™ Vacuum Manifold.
- **Required Equipment** – A single or double-staged vacuum pump capable of producing up to 300 mm Hg at the vacuum manifold and vacuum tubing with an internal diameter of about 1/4 of an inch (6.5 mm). A vacuum regulator is recommended to monitor and adjust the vacuum pressure in the vacuum manifold. Please contact Zymo Research Corporation if you have any questions regarding the suitability of your vacuum source.

## Product Description

The **EZ-Vac 96™ Vacuum Manifold** features durable chemical resistant construction and is designed for the high-throughput, rapid parallel purification of nucleic acid using the ZymoPURE™ 96 Plasmid Miniprep Kit. The vacuum manifold allows researchers to simplify their high-throughput nucleic acid purification workflows further by eliminating the need for multiple centrifugation steps and disposal of flow-through from collection plates. The unique manifold design also conveniently allows the filtrate and wash solutions to be collected in an external catch flask (not provided), eliminating the need for manifold disassembly and waste removal during the purification process.



**EZ-Vac 96™ Vacuum Manifold**

# Product Set-Up:

The EZ-Vac 96™ Vacuum Manifold is designed for use with Zymo Research products only. Use with other products/chemicals may result in personal injury and/or property damage.

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

1. Remove the **EZ-Vac 96™ Vacuum Manifold** and **Vacuum Inserts** from their packaging and inspect for damage. Do not use if any cracks are present.
2. Connect the vacuum manifold to a vacuum source, such as a house vacuum or vacuum pump using a vacuum hose. The vacuum hose can be attached to the vacuum manifold by inserting the vacuum insert into the vacuum port of either the manifold collar or manifold base.
3. Attach a catch flask and a vacuum regulator between the vacuum source and vacuum manifold. The catch flask will collect the column flow-through.
4. To adjust the vacuum pressure, turn off the vacuum pump and detach the vacuum hose from the vacuum insert on the manifold. Cover the now exposed end of the vacuum hose with your finger to create a vacuum seal within the tubing. Turn on the vacuum pump and adjust the knob on the vacuum regulator to the desired pressure. Turn off the vacuum pump.

*Your EZ-Vac 96™ Vacuum Manifold is now ready for use!*

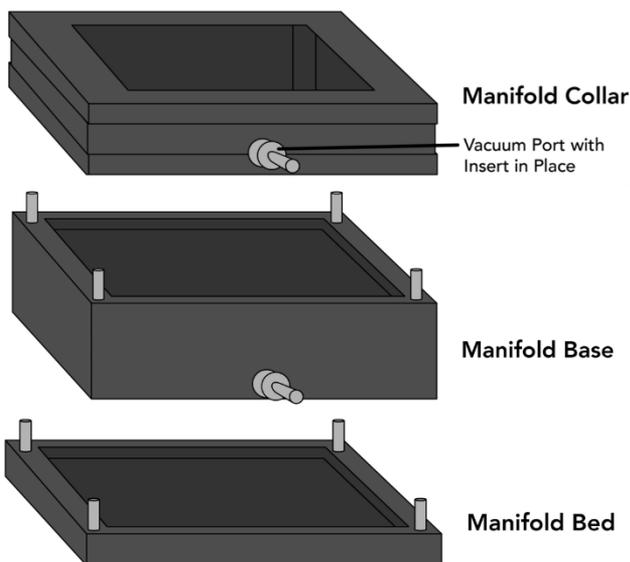


Diagram of EZ-Vac 96™ Vacuum Manifold

# Product Care:

1. Always place the EZ-Vac 96™ Vacuum Manifold on a secure bench top or work area. Do not use the vacuum manifold if there are any cracks or significant abrasions.
2. Use caution and wear safety goggles when working near a vacuum manifold under pressure.
3. After use, turn the vacuum off and disconnect the vacuum hose from the EZ-Vac 96™ Vacuum Manifold.
4. Always clean and dry the EZ-Vac 96™ Vacuum Manifold after use to prevent damage. To clean, rinse all components with water and dry with paper towels.
5. If you have any questions regarding the performance or maintenance of your EZ-Vac 96™ Vacuum Manifold, please contact Zymo Research Technical Support<sup>1</sup>.

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<sup>1</sup> Zymo Research Technical Support can be reached through email at [Tech@zymoresearch.com](mailto:Tech@zymoresearch.com), or phone call at (949) 679-1190.

# Ordering Information

Product Description	Catalog No.	Size
EZ-Vac 96™ Vacuum Manifold	S7003	1 Manifold

Individual Kit Components	Catalog No.	Amount
ZymoPURE™ 96 Plasmid Miniprep Kit	D4214 D4215	2 x 96 4 x 96

# 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

## ✓ 16 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	T3003 T3005
Zymo10B	10 x 100 µl aliquots 96 x 50 µl aliquots	T3019 T3020
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





**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.

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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.

<sup>™</sup> Trademarks of Zymo Research Corporation

Several ZymoPURE<sup>™</sup> product technologies are subject to U.S. and foreign patents or are patent pending.



ZYMO RESEARCH

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



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