

## Dynalon 259865

# Dynalon Kartell 259865 HDPE Test Tube Rack User Manual

Model: 259865

## PRODUCT OVERVIEW

The Dynalon Kartell 259865 HDPE Test Tube Rack is designed for laboratory use, providing a stable and chemically resistant solution for holding test tubes. This rack is molded from high-density polyethylene (HDPE), making it lightweight and unbreakable. It is capable of withstanding temperatures up to 110°C.

Key features include:

- Excellent chemical resistance
- Lightweight construction
- Three-tier design with legs to elevate the rack from the table surface
- Designed to hold 12 test tubes with a 12mm tube size

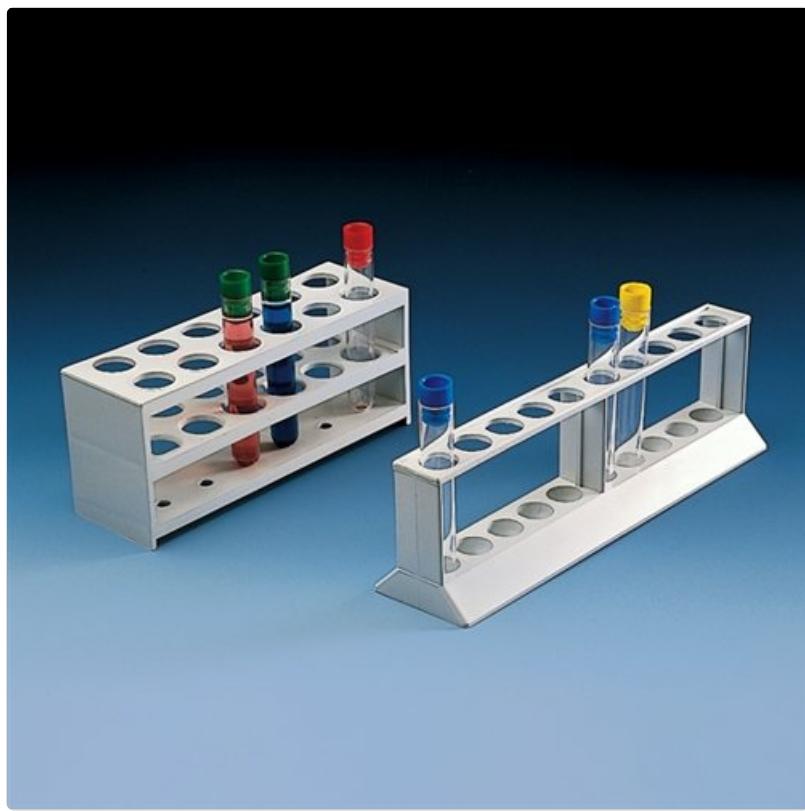


Image: Dynalon Kartell HDPE Test Tube Racks. The image displays two types of test tube racks. On the left, a compact, three-tier rack holds several test tubes with various colored caps. On the right, a longer, lower-profile rack is shown, also holding test tubes. Both racks are white and appear to be made of plastic.

## SETUP AND ASSEMBLY

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The Dynalon Kartell 259865 Test Tube Rack is designed for immediate use and requires no assembly. It is a single-piece molded unit.

- Unpacking:** Carefully remove the test tube rack from its packaging. Inspect the rack for any signs of damage during transit.
- Placement:** Place the rack on a stable, level surface in your laboratory or workspace. Ensure the area is free from obstructions and is suitable for handling laboratory samples.
- Initial Cleaning:** Before first use, it is recommended to clean the rack. Refer to the "Maintenance and Cleaning" section for proper cleaning procedures.

## OPERATING INSTRUCTIONS

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This test tube rack is designed to securely hold standard 12mm test tubes. Its three-tier design provides stability and easy access to tubes.

- Inserting Test Tubes:** Gently insert test tubes into the designated holes on the rack. Ensure the tubes are fully seated and stable within the rack to prevent accidental spills or tipping. The rack is designed to hold up to 12 test tubes.
- Transporting:** When transporting the rack with tubes, always support the base of the rack to maintain stability. Avoid sudden movements that could dislodge tubes.
- Temperature Resistance:** The rack can withstand temperatures up to 110°C. Do not expose the rack to temperatures exceeding this limit, as it may cause deformation or damage.
- Chemical Resistance:** The HDPE material offers excellent chemical resistance. However, it is always advisable to consult a chemical compatibility chart for specific reagents if there is a concern about prolonged exposure or highly corrosive substances.

## MAINTENANCE AND CLEANING

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Proper maintenance and cleaning will extend the lifespan of your test tube rack and ensure laboratory hygiene.

- Routine Cleaning:** Clean the rack regularly using mild laboratory detergents and water. Rinse thoroughly with distilled water to remove any residue.
- Disinfection:** The rack can be disinfected using common laboratory disinfectants. Ensure the disinfectant is compatible with HDPE.
- Autoclaving:** The rack can withstand temperatures up to 110°C, making it suitable for some sterilization methods. However, for autoclaving, ensure the autoclave cycle does not exceed this temperature.
- Storage:** Store the rack in a clean, dry environment away from direct sunlight and extreme temperatures when not in use.
- Inspection:** Periodically inspect the rack for any signs of wear, cracks, or chemical degradation. Replace the rack if any damage is observed to ensure safety and proper function.

## TROUBLESHOOTING

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This section addresses common issues that may arise during the use of the test tube rack.

Problem	Possible Cause	Solution
Test tubes do not fit securely.	Incorrect test tube size. The rack is designed for 12mm tubes.	Ensure you are using test tubes with a 12mm diameter.
Rack appears warped or deformed.	Exposure to temperatures exceeding 110°C.	Replace the rack. Avoid exposing the rack to temperatures above 110°C.
Chemical staining or degradation.	Exposure to highly corrosive chemicals not compatible with HDPE.	Clean immediately after exposure. If degradation is severe, replace the rack. Consult chemical compatibility charts for HDPE.

## SPECIFICATIONS

- Model Number:** 259865
- Material:** High-Density Polyethylene (HDPE)
- Capacity:** 12 test tubes
- Tube Size Compatibility:** 12mm diameter
- Tier Design:** 3-tier with legs
- Temperature Resistance:** Up to 110°C (230°F)
- Chemical Resistance:** Excellent
- Package Dimensions:** 3.94 x 3.94 x 3.94 inches
- Item Weight:** 10.56 ounces
- Manufacturer:** Dynalon

## WARRANTY AND SUPPORT

For information regarding product warranty, returns, or technical support, please contact your supplier or the manufacturer, Dynalon. Please have your model number (259865) and purchase details available when contacting support.

**Manufacturer:** Dynalon

**ASIN:** B00DWFOS7G

**Date First Available:** July 12, 2013



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