THOMSON
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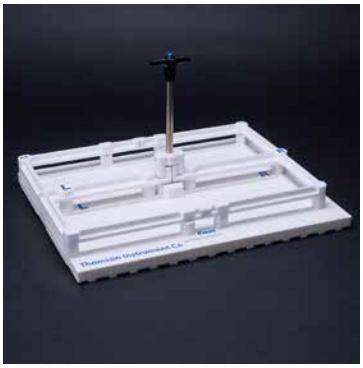
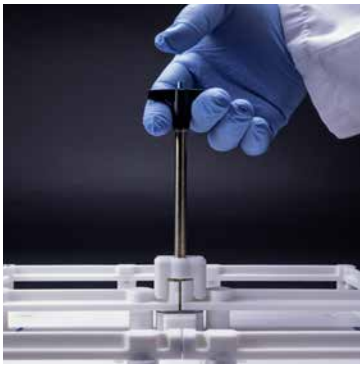
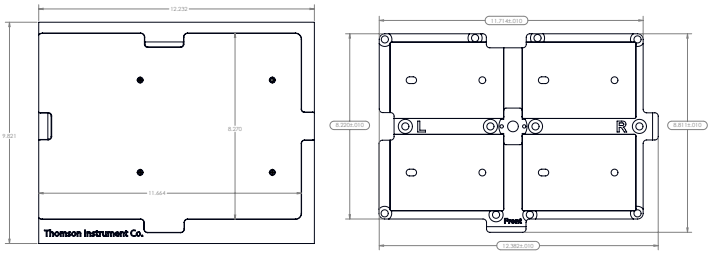
# Universal 4-position Rack for Well Plates Technical Data Sheet

| Product Description | Part # | Sterility |
|---|---|---|
| Universal 4-position Rack for Well Plates | 1212605-399 | Non-sterile |








## Introduction

The Thomson Universal 4-Position Rack for Well Plates holds up to 4 of Thomson's 6-, 24-, and 96-well plates for easy plate handling, storage, and transport. Its compact, durable design keeps plates secure during incubator shaking (up to 225 rpm). It is also compatible with standard 50 mL conical centrifuge tubes/mini-bioreactor tubes when placed in appropriate holder. Whether moving plates between workstations or between a liquid handler and shaker, the Universal 4-Position Rack is a practical accessory for labs using Thomson's well plates and 50 mL tubes.

## Specifications

| | |
|---|---|
| Plate Compatibility | Up to 4 Standard Well Plates |
| Base Plate Dimensions | 12.23" x 9.82" |
| Carrier Plate Dimensions | 12.38 x 8.81"e |
| Autoclavable | No |
| Sterility | Non-Sterile |

## Storage

Keep out of sunlight. Store at ambient temperature in a dry place. Clean with water or 10% bleach solution.

## FAQ's

**What plate formats are compatible with the 4-Position Rack?**

The rack is designed for standard ANSI/SLAS footprint well plates, including 6-, 24-,and 96-well plates. It securely holds up to four plates simultaneously while maintaining consistent spacing for automated liquid handling.

**How are plates secured within the rack?**

Plates are held in place using a magnetic retention system, ensuring stability during transport, shaking, and robotic interaction while maintaining precise alignment for repeatable automation.

**Is the rack compatible with robotic liquid handling systems?**

Yes. The rack is built with an automation-friendly footprint and supports consistent positioning on liquid handler decks (including systems like the Dynamic Devices Lynx LM-series of liquid handlers). This enables reliable plate transfers without re-racking or manual adjustment.

**Can the rack be used inside incubator shakers?**

Yes. The rack is compatible with standard incubator shaker platforms (e.g., Infors, Kuhner) and works with sticky mats/strips to securely hold plates during shaking, supporting speeds up to ~225 rpm depending on setup.

**How does the rack improve workflow efficiency?**

By enabling direct transfer of plates between incubation, liquid handling, and downstream analysis, the rack eliminates re-racking steps. This reduces manual handling, variability, and process time, especially in high-throughput or automated workflows.