

# MagBinder® Fit<sup>24</sup> Quick Start Guide

Revision No: 1.0

Please visit [www.omegabiotek.com](http://www.omegabiotek.com) for a downloadable user manual containing additional protocols, troubleshooting tips, and ordering information.



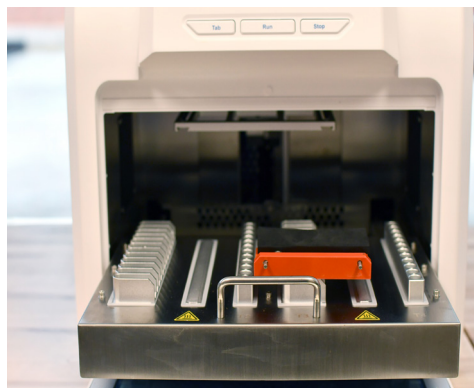
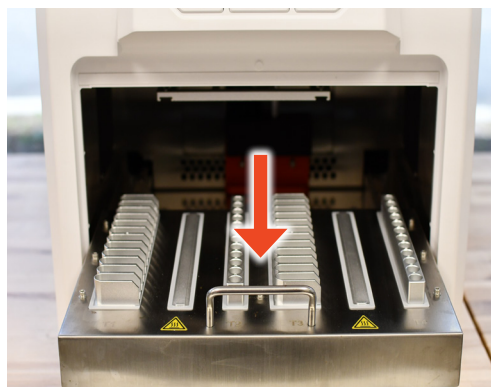
## Before starting:

- The MagBinder® Fit<sup>24</sup> must be installed on a stable, level surface that can accommodate the weight (34 kg) and dimensions (400mm x 530mm x 480mm) of the instrument. Ensure that the dedicated work area is clean, uncluttered, and free of any obstructions that may interfere with the operation of the instrument of at least 10cm.
- Use the tools that come with the instrument to release the horizontal movement structure and the magnetic arm before powering on.
- Check and confirm the correct voltage of the instrument before plugging in. The instrument must be connected to a dedicated electrical circuit capable of supplying 100-240V AC power, 50/60 Hz, with a minimum of 5 A.
- The installation site should be well-ventilated to ensure adequate air circulation around the instrument.
- Ensure that the installation site's temperature and humidity are within the recommended range. The ambient temperature of the installation site should be maintained between 10°C and 35°C (50°F to 95°F) to ensure optimal performance of the instrument. The relative humidity of the installation site should be maintained at ≤ 70%. If necessary, use a temperature and humidity sensor to monitor these conditions.

**Note:** This guide is not a replacement for the operation manual. Please read the operation manual thoroughly before using the instrument.

## 1. Unpacking equipment

Carefully remove the instrument from its packaging and place it on a stable, level surface. The MagBinder® Fit<sup>24</sup> weighs approximately 34 kg and is recommended that two persons lift the instrument together. Ensure all components are present (refer to "Equipment Contents" on Page ii of the manual). Remove the tape holding the door. Open the door and remove the foam. Using the 3mm allen wrench included, remove the screws, and take out the red support to release the magnetic arm, as seen below.



## 2. Placing tray supports

With the deck pulled out, place the tray supports as seen below. Place the the numbered "1" support on the left and the numbered "2" support on the right.



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## 3. Connecting power

Connect one end of the power cord to the instrument socket and the other to the power outlet (AC100-240 V). Turn on the power switch located in the rear of the instrument.

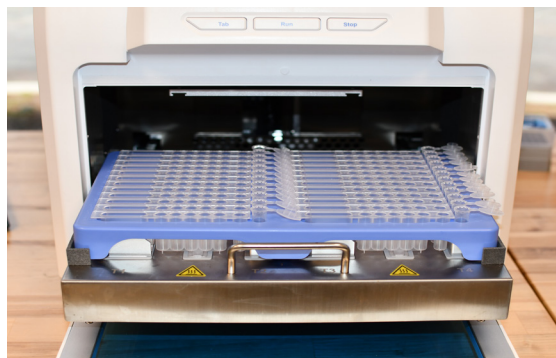
## 4. Run the MagBinder® Fit<sup>24</sup> Qualification Kit

If using the instrument for the first time or for periodically reevaluation, perform the MagBinder® Fit<sup>24</sup> Qualification Kit in accordance with manufacturer's instruction.

**Note:** One qualification kit is provided with the unit at the time of original purchase (shipped separately). Additional kits are sold separately and are available at [www.omegabiotek.com](http://www.omegabiotek.com).

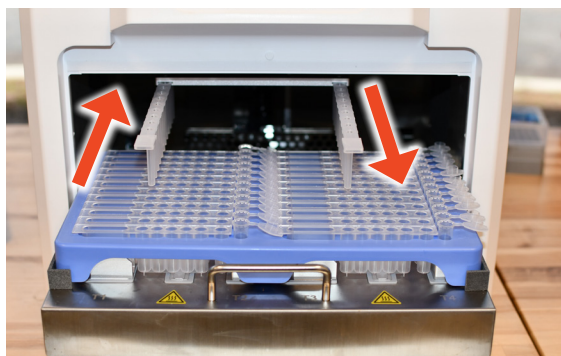
## 5. Preparing reagents

Place the reagent cartridges and elution tubes in the tray in all corresponding positions. Open the door, slide out the deck, and place the tray back on the deck. Firmly press the reagent cartridges and elution tubes to ensure they fit snugly in the heat block on the deck. Slowly slide the deck back into the instrument.



## 6. Inserting/Removing tip combs

Insert the tip comb by pushing it completely in on the mounting grooves located on the top of the magnetic arm. Push the tip comb completely to the back so that it is secure. Remove the tip combs by pulling it out of the mounting groove. Discard tip combs in the proper waste receptacle.



## 7. Operating instrument

For details regarding running scripts, script creation, settings, and general operating procedure, refer to the operation manual found on the USB drive included.