media bros

MB-5™

STANDARD OPERATING PROCEDURE (SOP)

The recommended use and application are identical to CRX™ and CRY™. Use MB-5™ when a more complex filter media is needed for light pesticide or metal removal, or when additional color removal is desired.

SAFETY: **Please adhere to the safety and handling instructions in the MB-5™ Safety Data Sheet (SDS), included with your shipment, available at mediabros.store, or by emailing sales@mediabros.store.**

REQUIRED MATERIALS:

- **MB-5™ FILTRATION MEDIA**
- **IN-LINE FILTRATION HOUSING & FILTER**
  - **CRC COLUMN SIZE:** **For best results, use a 4-6 inch diameter column.**
  - **FILTER:** **Optimized for use with a ≤5-micron screen filter followed by a 0.2-micron, Media Bros Ulti-Filter—recommended to ensure there is no particulate in the final product.**

RECOMMENDED CONDITIONS:

SOLVENT-TO-BIOMASS RATIO: **6:1 to 10:1**
OPERATING TEMPERATURE: **Below -10°C, will not clog due to ice**
FLOW RATE: **< 1GPM. A needle valve or flow restrictor at the column base improves flow control.**

PROCEDURE:

1. **DETERMINE YOUR RATIO.** **For every 10-15 pounds of material, load 0.5-1.0 kg of MB-5™ into the filtration housing. The exact amount depends on the quality of the biomass and the desired outcome. We recommend these ratios as a starting point, but they may change based on your SOP.**

   CONSIDER RUNNING A CRC COLUMN WITH MULTIPLE FILTRATION MEDIA.
   For example, for every kg of material, use:
   - **200 grams of Media Bros MB-5™ filter media.**
   - **100 grams Media Bros Silica Gel 60A filter media.**
   - **100 grams of Media Bros Activated Alumina filtration aid.**

2. **SECURE FILTER SCREEN AND MEDIA.** **Ensure the filter screen is safely installed. A cloth or paper filter may be combined with a screen or plate. Load media directly into the column, on top of the filter screen.**
3. **NO PRE-WETTING REQUIRED.** **MB-5™ is designed to be used dry.**
4. **RUN EXTRACTION USING A HYDROCARBON-BASED SOLVENT.** **Any lost yield can be recovered by flushing the media with pure solvent.**
5. **DISPOSAL.** **Follow all SDS instructions for safe disposal.**

QUESTIONS? **Contact sales@mediabros.store for more information.**