media bros

CR41™

STANDARD OPERATING PROCEDURE (SOP)

CRX™ and CRY™ share similar usage and application, however CR41™ is a more advanced media that excels at removing light pesticides, metals, and excess color.

SAFETY: **Please adhere to the safety and handling instructions in the CR41™ Safety Data Sheet (SDS), included with your shipment, available at mediabros.store, or by emailing sales@mediabros.store.**

REQUIRED MATERIALS:

- **CR41™ 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 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 pound of biomass, load 150-250 grams of CR41™ into the filtration housing. The exact amount depends on the quality of the biomass and the desired outcome. Refer to our quick reference table to determine the recommended ratio:

CR41™ (Media Use Based on Grade)			
Plant Matter	Low Grade	Medium Grade	High Grade
1 lb	250g	200g	150g
2 lbs	500g	400g	300g
5 lbs	1,250g	1,000g	750g
10 lbs	2,500g	2,000g	1,500g
15 lbs	3,750g	3,000g	2,250g
20 lbs	5,000g	4,000g	3,000g
25 lbs	6,250g	5,000g	3,750g
30 lbs	7,500g	6,000g	4,500g
50 lbs	12,500g	10,000g	7,500g
100 lbs	25,000g	20,000g	15,000g

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.** CR41™ 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.