



Oil Ex Tech

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The EssenEx-100

Patent Pending

Home/Lab Microwave Essential Oil Extraction

Lavender Buds



Peppermint leaves



Hops



Rosemary



Many More!!

EssenEx- 100 Operators Manual

Make sure you have all of the following components:

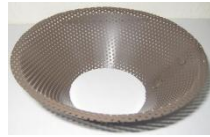
1-250 mL beaker



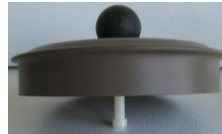
1-Glass container



1-Upper and Lower shield



1-Lid with ice holder



1-Ice core mold and mug



1-Pipet



3- Oil vials (2 mL)



Prepare ice cores 24 hours before extraction

Step 0) Freezing the Ice Cores

Before you are ready to use the microwave extractor you will need to prepare the ice core. Make sure the mold is sitting level in your mug and fill it to the small bump (~200 mL). Next take the lid and center it on the mold and mug. Carefully move the lid, mold, and mug into the freezer making sure to re-center if needed placing it on a level surface. Freezing may take up to 24hrs.



Microwave Notes: _____

Preparing the vessel for extraction:

Step 1) Fill the EssenEx and center the shield

Begin your process by cleaning and removing all objects from the inside of the glass jar. Place approximately 100 grams of your desired plant material into the jar. Arrange the material so the lower shield can fit into the center of the jar (if you are using a lot of material place the shield first) keeping material out of the center. Arrange the plant material level around the lower shield keeping it out of the center.



Placing in the component parts:

Step 2) Place Cup, Shield and Lid w/ ice core

Place the beaker into the lower shield then place the upper shield into position resting level on the rim of the jar. Remove the funnel from the ice and place the lid with ice core onto the unit at this time.



Microwaving the vessel:

Step 3) Fill mug & place both in the microwave

Before you place the EssenEx into the microwave first please fill the provided mug $\frac{3}{4}$ full with water and place both into the microwave and begin.



Select full power on the microwave and run for about 6-8 minutes (more powerful microwaves will require less time).

The first several times you run the system please note how much ice is left after each run. It is important for some ice to be left at the end of the run to ensure residual vapors condense. An excess of ice could indicate a longer run time is needed, not enough plant material or the plant material is too dry.

After 6-8 minutes in the microwave let it stand for 5 minutes before removing. Caution: the EssenEx may be very hot; do not touch it with your bare hands. After removing let it sit for an additional 15 minutes before opening the unit. This will allow the unit time to cool as well as time for any residual vapors to condense. Do not place it on a cold surface or rinse it with cold water while it is hot as this can increase the risk of the jar cracking.

Recovering the oil:

Step 4) Separating the Oil

Remove the lid and the ice shield: carefully remove the condensate cup and place on a level surface. The oil will be floating as a thin film on the surface of your cup. Pour the liquid into the separation flask slowly in one continuous motion filling most of the neck of the flask. Approximately 95% of the available oil should pour out in the initial separation.



The oil will float to the top of the water in the neck of the flask making it easier to remove. Using the pipet or an eyedropper carefully remove the oil. Transport the oil in the pipet to one of the provided vials.

Warranty: To the extent consistent with applicable law, seller makes no warranty expressed or implied, concerning the use of this product other than indicated in this user manual. Buyer assumes all risk of use and/or handling of this material when such use and/or handling is contrary to user manual directions.