

# EssenEx® 100A (Advanced)

The EssenEx® 100A Improves on the Original EssenEx® 100

**Fast, Easy & Affordable**

Works with lavender, citrus,  
mint, rosemary & MORE!



Invented & Produced in Corvallis, Oregon • U.S. Patent  
9,486,716 PNZ 630585, CN 201380023360.7, Vn 17571,  
AU 2013232027, Br 1120140224412, EU 13762014.2  
plus other Int'l Patents Pending

Operator's Manual

Serial Number:



## EssenEx® 100A (Advanced)

Microwave Essential Oil Extraction Kit

Operator's Manual



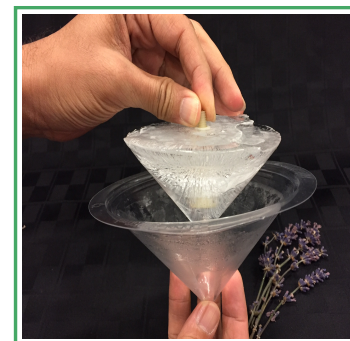
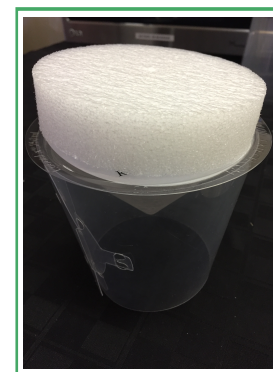
### The EssenEx® 100A includes:

- Microwave Oil Extractor (7" x 7")
- Upper Cone Shield
- Lower Beaker Shield
- 250 mL Beaker
- Silicone Pad (insulates under the extractor jar)
- 6 ea.-Ice Molds, 5" Disks & White Insulators, Mold Stands, Ice Screws & Nuts
- 1 ea.-OilExTech Mug (used alongside extractor during heating)
- 50 mL Volumetric Separator Flask
- 10 ea.- 1 mL and 3 mL Pipettes
- 10 ea. 0.08oz and 0.12oz Amber Vials
- Updated packaging for easy storage between usages

Freeze the Ice Cores

*We recommend you thoroughly wash all components before using.*

Ice cores must be prepared in advance before using the EssenEx® 100A. Place an ice core mold upright in the stand (shipped flat for customer assembly); place screw with nut leaving 5/8 inch clearance through disk then pressing into center of insulator. Fill the ice mold with **230mL** of water. Use spring or filtered drinking water for best results. Holding screw w/nut, place through hole in disk, push into center of the insulator and place in recess at top of ice mold. Place in freezer and allow at least 24 hours for solid ice to form.



### Fill the EssenEx®100A

Place the lower shield in the center of the EssenEx®100A glass container. Put approximately 50-200 grams of fresh or re-hydrated plant material into the container surrounding the lower shield. You can rehydrate dried plants with approximately 1:1 ratio of plant to water. Plant material should be evenly and loosely distributed around the lower shield. Do not tightly pack the plant material. Place the 250 mL beaker into the lower shield. Place the upper shield into position, resting level on the rim of the glass container.



### Assemble the Lid & Ice Core

*Allow frozen ice core to thaw for 30 minutes at room temperature to avoid cracking.*

Slowly remove the ice core from the ice core mold. Remove the white disk from the ice core. Suspend the ice core from the inside of the lid and secure by screwing on the lids knob. Place the lid with the ice core into the unit.



### Microwave

*Fill the provided mug 3/4 full with water. Place the silicone pad on the turn table inside the microwave. Finally, place the EssenEx®100A on the pad with the mug next to it.*



Select full power on the microwave and run for 6-8 minutes (for standard microwaves ranging from 900W-1100W). More powerful microwaves may require less time.

The first several times you run the system, observe how much ice is left after each run. It is important for some ice to remain (lower left photo) at the end of the run to ensure all the residual vapors condense. An excess of ice could indicate a longer run time is needed, not enough plant material was used, or the plant material is too dry.

After the microwave cycle ends, let the EssenEx®100A cool before removing from the microwave. **Caution: The EssenEx®100A may be very hot; do not touch it with your bare hands.** After removing, let the unit cool for an additional 15 minutes before opening. This will allow time for any residual vapors to condense. **Do not place the EssenEx®100A on a cold surface or in cold water while it is hot as this can increase the risk of the glass container cracking.**

### Separate the Oil

Remove the lid and upper shield. Carefully remove the condensate beaker and place on a level surface. Oil will be floating as a thin film on the surface of the condensate. Carefully pour the first 1/4 liquid into the 50 mL volumetric flask in one slow and continuous motion. Fill 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 condensate in the neck of the flask making it easier to remove. Use a pipette to carefully draw off the oil. Transfer the oil to a glass vial for storage.



**Warranty:** To the extent consistent with applicable law, the 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. OilExTech guarantees this product to be free of manufacturing defect for a period of 1 year from the original date of purchase.

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