



Decarboxylation Reactor

/ LAB1ST Scientific & Industrial



LAB1ST / Laboratory and Processing Equipment

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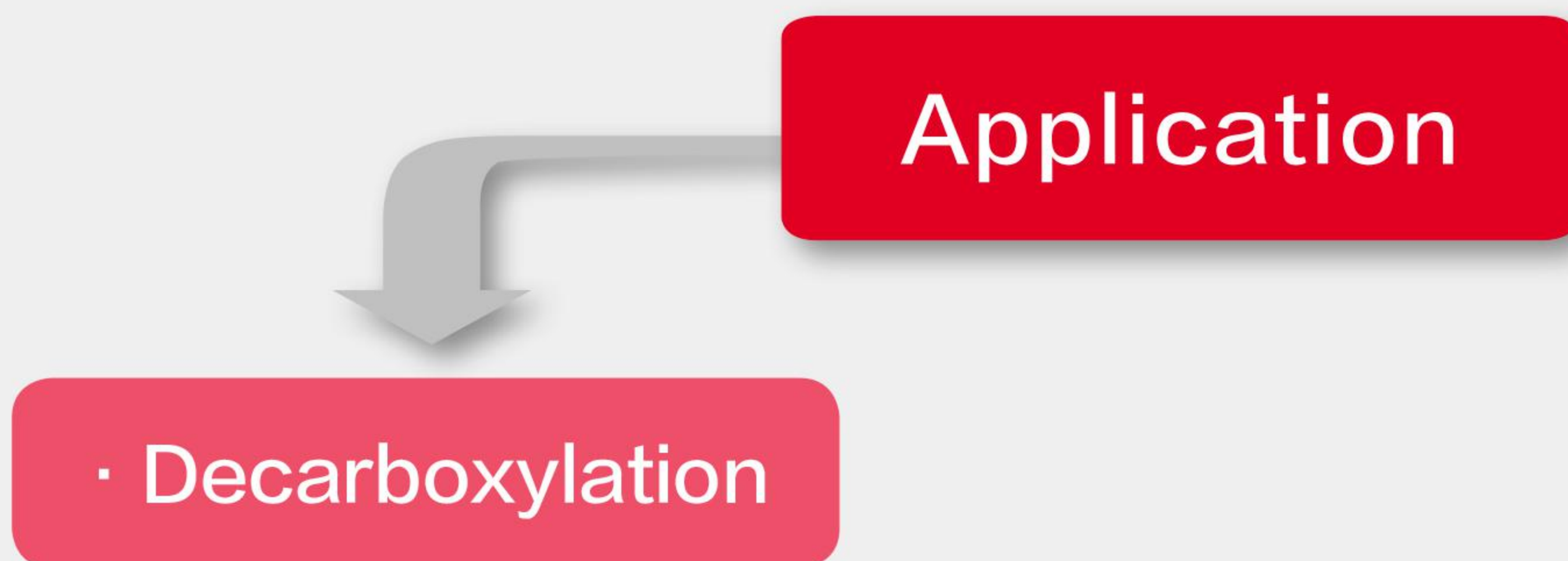
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DECARBOXYLATION REACTOR

The jacketed glass reactor is becoming an essential piece of equipment for cannabis processors. Highly prized for its versatility and durability, a reactor can perform decarboxylation, winterization, pesticide remediation, and isolate crystallization. The Lab1st glass reactor offers many advantages to processing CBD oil. We have specially designed jacketed glass reactor with receiving flask to realize the decarboxylation reaction with ease-of-operation and efficiency.

Lab1st specializes in botanical refinement equipment. We are an industry leader in the sales and manufacturing of hemp processing and laboratory equipment. Our mission is to offer innovative and high quality equipment along with the best customer support in the hemp industry.



FEATURES

Safe Operation

- High quality borosilicate 3.3 glass components for safe operation.



Corrosion Resistance

- Glass / PTFE wetted components for outstanding corrosion resistance.



Collection Bottle Can be Customized

- Collection bottle can be customized according to the special needs of customers.



More Details

- Wide range of temperature operations, from -80°C to 200°C .
- Multi-layer stirring blades offer great torque and high stirring speeds.
- The outstanding heat exchange area of the condensing coil ensures that the essential oil is collected quickly by condensation and reduces the loss of oil.
- Speed and temperature displays make operation easy and intuitive.
- Stainless steel supporting framework with lockable casters for mobility and stability.
- High quality thermal insulation jacket available (Option) .
- CE Certificate



TECHNICAL DATA

Model	JGR-5L-EVP	JGR-10L-EVP	JGR-20L-EVP	JGR-50L-EVP	JGR-100L-EVP
Reaction Capacity (L)	5	10	20	50	100
Jacketed Volume (L)	2	3	6	16	30
Collection bottle volume(L)	1	5	5	10	10
Total (pcs)	4+1	5+1	5+1	5+1	5+1
Stirrer Port	12#	50#	50#	50#	60#
Air charging valve	24#	34#	34#	34#	34#
Port No. on the Lid	Solid feeding Port	N/A	80# Flange		
	Thermometer Tube	19#	DN25 Flange		
	Reflux Separator	34#	50#	50#	50#
	Condenser Port	Ball Socket Joint			
Pressure Equalized Funnel	24#, 250ml	40#,1000ml		40#,2000ml	
Discharge port	N/A	OD:32mm, ID:22mm			
PTFE Stirrer	Four-blade Type			Four-blade type, Two-layer	

Turnkey Solution



AUXILIARY EQUIPMENTS

Vacuum Pump

PTFE Diaphragm Vacuum Pump

Light-weight and low noise. The PTFE diaphragm design makes them suitable for even the most corrosive solvents. Available in different capabilities (Up to 120L/min air-taking speed and 50 mbar end vacuum).



Heating Circulator

UC-Series

Advanced heating circulator with a hermetic design, for minimized oxidation of heating oil at high temperature. These circulators are available with 200C or 300C max temperature. They come with air or water cooling, making them suitable for applications requiring a quick drop from high temperature to room temperature.



Cooling Circulator

DL-Series

The most cost-effective cooling circulator, which comes with an open reservoir (from 5L to 100L), making them suitable to be also used as a cooling bath. They come with a variety of models with reservoirs from 5L to 100L and with lowest temperature from -20C to -120C.



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