# Freeze-dryer Lyophilizer BIOMATE™ Catalog Cum Price List-ADVANCE

<table>
<thead>
<tr>
<th>No.</th>
<th>Mode</th>
<th>Product Name</th>
<th>MOQ (set)</th>
<th>Description</th>
<th>Price (INR)</th>
</tr>
</thead>
</table>
| 1   | BI FD-1A | Vacuum freeze-drying machine | 1         | 1. Condensing temperature: -50 °C  
2. Vacuum degree: <20Pa  
3. Lyophilized area: 0.12 m  
4. Material capacity: 1.2 liters (material thickness: 10mm)  
5. Water capacity: 3kg/24h  
6. Sample tray: Φ200mm × 4 layers  
7. Power Requirements: 220V 50Hz 850W  
8. Overall dimension: 380*600 *345mm | 2,50,000.00 |
| 2   | FD-1A  | Vacuum freeze-drying machine | 1         | 1. Condensing temperature: -80 °C  
2. Vacuum degree: <20Pa  
3. Lyophilized area: 0.12 m  
4. Material capacity: 1.2 liters  
5. Water capacity: 3kg/24h  
6. Sample tray: Φ200mm × 4 layers  
7. Power Requirements: 220V 50Hz 1300W  
8. Overall dimension: 492*540*800mm | 5,50,000.00 |
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<tr>
<th></th>
<th>Model</th>
<th>Description</th>
<th>Quantity</th>
<th>Specifications</th>
<th>Price</th>
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| 7    | FD-1D       | Gland hanging bottle type freeze-drying machine | 1 | Condensing temperature: -50 °C  
2. Vacuum degree: <20Pa  
3. Lyophilized area: 0.07 m  
4. Tray material: 0.7 liters  
5. Catch water capacity: 3kg/24h  
6. Sample tray: Φ180mm × 3 layers  
7. Power Requirements: 220V 50Hz 850W  
8. Overall dimension: 380 × 600 × 345mm | 3,85,000.00 |
| 8    | FD-1D       | Gland hanging bottle type freeze-drying machine | 1 | Condensing temperature: -80 °C  
2. Vacuum degree: <20Pa  
3. Lyophilized area: 0.07 m  
4. Tray material: 0.7 liters  
5. Catch water capacity: 4kg/24h  
6. Sample tray: Φ180mm × 3 layers  
7. Power Requirements: 220V 50Hz 1300W  
8. Overall dimension: 492 × 540 × 800mm | 6,85,000.00 |
| 9    | FD-1E       | Multi-manifold T-type vacuum freeze-drying machine | 1 | Condensing temperature: -50 °C  
2. Vacuum degree: <20Pa  
3. Power Requirements: 220V 50Hz 850W  
4. Overall dimension: 380 × 500 × 345mm | 3,65,000.00 |
| 10   | FD-1E       | Multi-manifold type T-type vacuum freeze-drying machine | 1 | Condensing temperature: -80 °C  
2. Vacuum degree: <20Pa  
3. Water capacity: 4kg/24h  
4. Power Requirements: 220V 50Hz 1300W  
5. Overall dimension: 492 × 540 × 800mm | 6,10,000.00 |
<table>
<thead>
<tr>
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<tbody>
<tr>
<td>11</td>
<td>FD-3</td>
<td>Medium-sized vacuum freeze drying machine</td>
<td>1. Condensation temperature: -45 ℃. 2. Vacuum degree &lt;13Pa (0.1 torr) load 3. Freeze-dried area of 0.3 m / 0.4 m 4. Four liters tray materials 5. Water catching ability 10 kg/24h 6. Sample tray gland type: Φ280mm * 5 layer 7. Power Requirements: 380V 50Hz 3KW 8. Overall dimension: 1250<em>660</em>800 (+1000 +515) mm</td>
<td>12,35,000.00</td>
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<td>FD-8 Medium-sized freeze-drying machine</td>
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<tr>
<td></td>
<td>1. Condensation temperature: -45 °C</td>
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<td></td>
<td>2. Vacuum degree: 13Pa</td>
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<td>3. Freeze-dried area: 0.8 square meters</td>
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<td>4. Material plate size: Φ370 mm</td>
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<td>5. Water catching ability: 15kg/24h</td>
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<td>6. Material layer: 7 layers</td>
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<td>7. Power Requirements: 380V 50Hz 3KW</td>
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<td>8. Overall dimension: 1250<em>660</em>800 (1000+515)mm</td>
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<td>16,10,000.00</td>
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**Accessories:**
1. Vacuum pump
2. Vacuum connect tube
The freeze dryer uses a technical method that freeze the watery element in advance, then sublimes its moisture content under the vacuum state to obtains the dry goods. Goods are easier for long-term preservation after the freeze-drying processing, and they can be restored to the original shape and form after being watered with the original Biochemical peculiarity. For the hot sensitive substance such as antibiotic, the vaccine, the blood product, the enzyme hormone and other biological preparations, the freeze-drying technology can demonstrate its advantages.

The BI series freeze dryer uses the forced-air cooling condensation type refrigeration system, the stainless steel structure, the transparent drying chamber. It is more convenient for the observation of the entire process of freeze-drying.

1. BI series of table freeze dryer BIOMATE freeze dryer is a set of mini-type table equipment, which is suitable for the freeze-dryer

   This series has four types: Ordinary, Top-press, Multi-pipeline ordinary, Multi-pipeline Top-press.

   Specialty:
   - match the green environmental protection of international standard
   - LCD manifestation interface, show freeze-drying curve
   - big openings of the cold trap, without coil pipe inside, have pre-freeze faction
• Imported refrigerant compressor, high capability of water-capture, low noisy
• All stainless steel wall, can bear corrosion, clean easily;
• Transparency the clock cover type dry room, safe, keep a view
• Stainless steel sample holder

Freeze drier with ice capacity of 1.5Kg  
PRICE INR: 175,000.00

- 8 port column flask manifold as well as other accessories for vials and ampoules.
- 100 LPM direct driven high vacuum pump
- Volume 2.3 Lts
- Ice capacity in 24h of 1.2kg capacity
- Ultimate Low temp. ± 5°C @ 20°C ambient -50°C
- Compressor HP 1/4
- Refrigerant-CFC free
- Vacuum indication- Digital pirani vacuum gauge with a range of 999 to 1x10^-3 mbar
- Vacuum pump (Lt/min)-100
- Input Power Supply- 220 v, 50 Hz, 1 phase
- Size- 550mm x 500mm

Pre freeze
- Capacity 135Lts-200Lts
- Size 24 x 22 x 32 cm
- Temperature range -16 to -22°C
- Temperature display
- Microprocessor control
- No of drawers-3

Accessories- 16 nos tubes/flasks to carry out freeze drying
CONTACT DETAILS

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Factory Address : 436, Shahabad, Bawana Rd, Near Delhi Technological University (DCE), Rohini, Delhi - 110042

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