**IvoBase System Short Instructions**

1. **Investing the model**
   
   **Placing the injection channels**
   
   - Isolate the inner surfaces with a thin layer of petroleum jelly
   - Place *access former “half”* and *flask lid* in the flask half
   - Position the *filter wax component*

2. **Placing the aeration channels**
   
   **Investment in silicone**
   
   - Soak model in water, isolate, and invest in dental stone (Class III)
   - Access former “half” must be invested flush in the stone

3. **Casting the counter model**
   
   **Boil out the model**
   
   - Allow the stone to set thoroughly
   - Remove access former “half” and place *access former “full”*

   **Preparing for injection**
   
   - Position the *injection wax component* on the contouring, stone surface and access former and press on

Maxillary complete dentures

- Press one injection channel against the center of the palatal roof
- Place one channel each vestibular to the two maxillary tubers and press on

Mandibular complete dentures

- Place injection channels to the lingual area of the retromolar triangle
- Separate the center channel

Partial dentures

- Place an injection channel at the dorsal end of each denture saddle
- Place an aeration channel anterior to the denture saddle

- Coat the surfaces of the contoured dentures with *A-silicone*
- Do not cover access formers, occlusal surfaces and incisal edges
- Provide the silicone with retentive patterns

- Isolate stone-to-stone contact surfaces with *Separating Fluid*
- Position the upper flask half and lock using the locking clasps

- Mix conventional dental stone (Class III) and have it flow into the flask without any bubbles
- *Skim off* excess stone
- Allow the stone to set thoroughly
- Heat in a water bath at 90 °C for 5-8 min

- Open the flask, remove access former “full” and roughly remove wax using a wax knife
- Boil out the inner surfaces with *clean, boiling water*
- Use pure water without any additives

- Roughen basal and cervical surfaces of the resin teeth
- Allow flask halves to cool to below 30 °C and check temperature with an IR thermometer

- Isolate stone surface with *Separating Fluid*
- Apply a second coat after 5 minutes
- Insert the *aeration filter* flush into the corresponding recess in the flask

- Push the IvoBase *funnel* into the *centering insert* until it stops and position it
- Assemble the two flask halves and lock

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**Ivoclar Vivadent**

Passion, vision, innovation.
IvoBase® System Short Instructions

### Mixing the material

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- Remove the monomer container from the capsule
- Remove the capsule seal
- Twist off the sealing cap of the monomer container
- Pour the monomer into the open capsule
- Use the spatula to mix the monomer and polymer in the capsule to a homogeneous mixture for approx. 20–30 s
- Place capsule on an even surface
- Place flask with the centering insert on the capsule

### Loading the injector

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**Injection and polymerization**

- Insert the flask into the polymerization chamber until it stops
- Close the door of the Injector
- Select the program
- Activate "RMR" key, if desired
- Start
- Start of the program with the expansion phase
- Remove the flask at the end of the program
- Cool in cold water for 15 min.
- Remove the locking clasps
- Secure the flask in the dental press with the divesting aid
- Lift the upper flask half by levering it on both sides in the gap between the flask halves
- Turn over the flask
- Repeat the procedure
- Remove the stone core and separate capsule
- Divest the dentures from the stone core using stone tongs
- Finish and polish dentures as usual

### Program Table

<table>
<thead>
<tr>
<th>Program No.</th>
<th>Material</th>
<th>Duration with</th>
<th>Duration with</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>IvoBase Hybrid</td>
<td>35 min</td>
<td>45 min</td>
</tr>
<tr>
<td>2</td>
<td>IvoBase High Impact</td>
<td>50 min</td>
<td>60 min</td>
</tr>
<tr>
<td>3</td>
<td>SR Ivocap High Impact</td>
<td>55 min</td>
<td>65 min</td>
</tr>
<tr>
<td>4</td>
<td>SR Ivocap Clear</td>
<td>55 min</td>
<td>65 min</td>
</tr>
<tr>
<td>5</td>
<td>SR Ivocap Elastomer</td>
<td>65 min</td>
<td>–</td>
</tr>
<tr>
<td>6-20</td>
<td>Ivoclar Vivadent – spare</td>
<td>–</td>
<td>–</td>
</tr>
</tbody>
</table>

* With the RMR function (residual monomer reduction) the residual monomer content is reduced to below 1%.

Please refer to the Instructions for Use for more detailed information.