

Article
EASYMIX® shaker

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Sterile and closed device for easy mixing
of acrylic resin components



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EASYMIX® shaker

EASYMIX® shaker is a closed and sterile mixing system for mixing of acrylic resin components (powder and liquid) and transfer into syringes.

The device is composed of:

- A** a plastic container
- B** with a Luer-lock cap and
- C** a funnel.

Benefits

- Closed mixing device for easy mixing of acrylic resin components
- Clean transfer of PMMA bone cement into syringes
- Possibility to fill up to 6 syringes à 3 ml (e.g. VerteStable® SIS syringes)

Preparation phases



- Set the plastic container **A** on a flat surface and open the Luer-lock cap **B**.
- Pour the liquid component into the container.



- A funnel **C** is provided to easy the process of filling the powder into the container **A**.
- The funnel must be placed onto the open end of the plastic container.



- Pour the powder component into the container.



- Close the Luer-lock cap firmly.



- Manually shake the container forcefully for at least 30 seconds (approximately 2 strokes per second) until a homogenous acrylic resin mass is achieved.
- The mixing phase can be extended if necessary.



- Open the Luer-lock connection by removing the plug and connect the syringe with Luer-lock of the plastic container cap.
- Turn the container upside down and collect the acrylic resin at the cap side. Draw up the acrylic resin into the syringe.
- Remove the syringe from the Luer-lock connection and fill additional syringes in the same manner.

Overview of the mean value of available cement volume for augmentation of BonOs® Inject used with EASYMIX® shaker and different syringe types

Bone cement volume

When both components of BonOs® Inject – powder and monomer – are mixed, the PMMA bone cement volume of 25 ml is generated. Depending on parameters such as temperature, mixing system, type of syringes and filling time the cement volume available for injection will differ.

Syringe type	Available cement volume* for augmentation, if BonOs® Inject is mixed with EASYMIX® shaker
1 ml	15 ml
3 ml	20 ml
6 ml	21 ml

* OSARTIS internal reports; Tests were conducted under standardized conditions (23°C)