

N-Force Blue® Bone Substitute Material + Precision Mixing and Delivery System

Step by Step Mixing/Injection Guide



1

Carefully remove the Mixing/Injection Syringe from the tray and attach the Funnel. Hold it upright and load the unhydrated BSM powder into the Syringe using the attached Funnel. Gently tap the Syringe barrel to ensure that all the BSM powder has settled and all of the BSM powder is transferred from the container.



2

Add a full 5cc of saline solution into the Mixing/Injection Syringe and BSM powder.



3

Remove the Funnel and attach the White Lid with the Closed Cap.



4

Remove the Detachable Injection Handle from the Mixing Handle and set aside temporarily to enable the Mixing Element. DO NOT DISCARD the Injection Handle.



5

Mix the product back and forth while twisting the Mixing Element with long, consistent strokes for 1-2 minutes or until BSM reaches a smooth, paste consistency (approx. 30-60 cycles). If the BSM remains a doughy consistency, up to 0.5 cc of saline can be added. It is important to make sure the BSM is a smooth, creamy consistency.



6

Once mixing is complete, remove the Closed Cap and attach the green Luer Connector with the Porous Plug.



7

Reattach the Injection Handle to enable the Plunger and plunge the BSM to remove the air from the Syringe. Pull back on the Plunger slightly to release pressure to prevent loss of BSM. Remove the green Luer Connector. Once again, remove the Detachable Injection Handle.



8

Snap the Finger Grip off of the end of the Mixing Handle.



9

Ensure the Screw Mechanism on the Mechanical Assist Device is backed out of the spindle at least halfway. Attach the Mechanical Assist Device to the Mixing Syringe by snapping it into place. Be certain that both sides are snapped firmly in place on the Syringe. Attach the N-Force® Sheath Adapter to the Syringe. Please reference the N-Force Fixation System® Surgical Technique for proper screw installation instructions.



10

Inject the BSM by turning the Screw Mechanism on the Mechanical Assist Device clockwise while maintaining tactile feel. Monitor the injection by fluoroscopy.*

*Extrusion of Bone Substitute Material beyond the intended application site may irritate surrounding tissue. Remove any excess BSM before wound closure.

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