Bone Grafting Kit
MC-RAN-8C
MC-RAN-8CSTS
MC-RAN-13A

USA & Foreign Patent(s) Pending
IMPROVING THE STANDARD OF CARE*

By using the Marrow Cellution™ Bone Grafting Kit, the clinician is able to obtain both high quality marrow aspirate and collect bone dowels in a minimally invasive manner; therefore, the morbidity of the procedure is lessened while the cellular quality of the graft is improved.

*Standard of care is bone marrow aspiration and autogeneous bone.
Bone defect of the mandible
Introducer needle with trephine tipped cannula

Aspiration cannula with closed blunt tip and side ports; aspiration from side ports only

Sounding rod to determine height of bone dowel in the needle

Shovel to retrieve bone dowel

Marrow Cellution™ BONE GRAFTING COMPONENTS

Marrow Cellution™ Aspiration Cannula

Blunt Stylet

8 Gauge Marrow Cellution™ Trephine Introducer

Bone Dowel Extraction Tool

Sounding Rod

Shovel to retrieve bone dowel
STEP BY STEP INSTRUCTIONS*

• Obtain Adequate BMA for Hydration (please refer to Marrow Cellution™ Aspirate Step by Step guide for instructions).
• Insert 8 Gauge Trephine Needle with Sharp Stylet until anchored in the cortex.
• Remove Sharp Stylet
• Advance cannula into bone marrow space with a gentle clockwise – counterclockwise motion, causing cancellous bone to enter the cannula.
• Insert sounding rod to measure length of bone inside cannula. Remove Sounding Rod and advance further if more volume is desired.
• Once adequate length is determined, insert extraction tool through the handle, pressing firmly with palm to trap the trephine specimen within the extraction tool.
• Remove whole needle with extraction tool still inserted.
• Remove Extraction tool to reveal bone dowel.
• Repeat process if multiple dowels are required.

*Abbreviated instructions. Please refer to package insert for complete instructions for use.
BONE DOWEL IN EXTRACTION TOOL
Bone Dowels
Bone mill to prepare cancellous graft extender
- 15 mL Graft Extender
- 8.4 mg BMP-2
- 8 Bone Dowels
- 15 mL Bone Marrow Aspirate (BMA)
Defect Excised
BONE DEFECT FILLED WITH GRAFT MATERIAL
ONE YEAR FOLLOW UP CT SCAN SHOWS COMPLETE BONE UNION ABLE TO SUPPORT IMPLANTATION