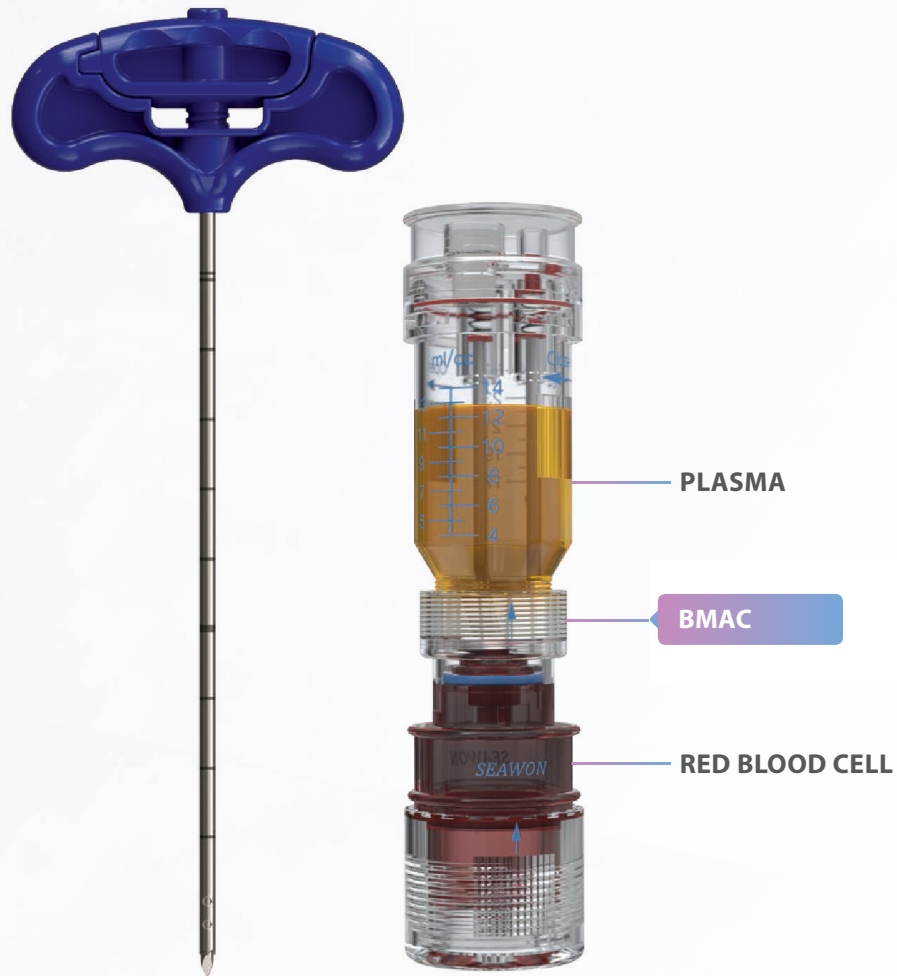


# ABMC KIT

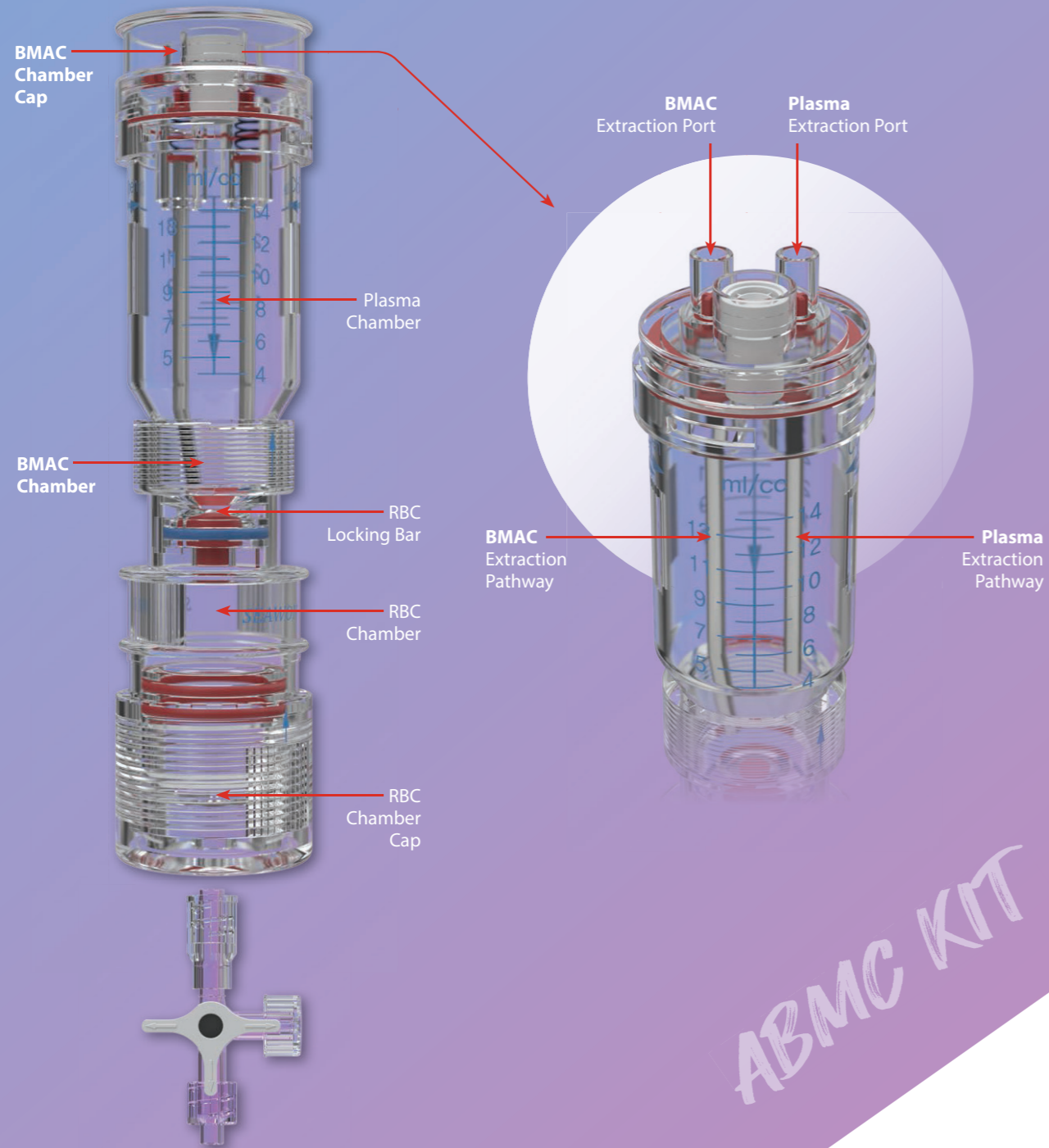
Autologous Bone Marrow Concentrate Kit



ABMC KIT MOVIE  
OR CORD

# 01 BONE MARROW COLLECTING KIT (SW-BMC KIT)

ABMC KIT is a separation kit that extracts autologous bone marrow concentrate by centrifuging them after collecting self-bone marrow. The components are separated using each specific gravity difference in the bone marrow and inject them as injections to relieve pain and improve function. It has excellent effectiveness and stability.

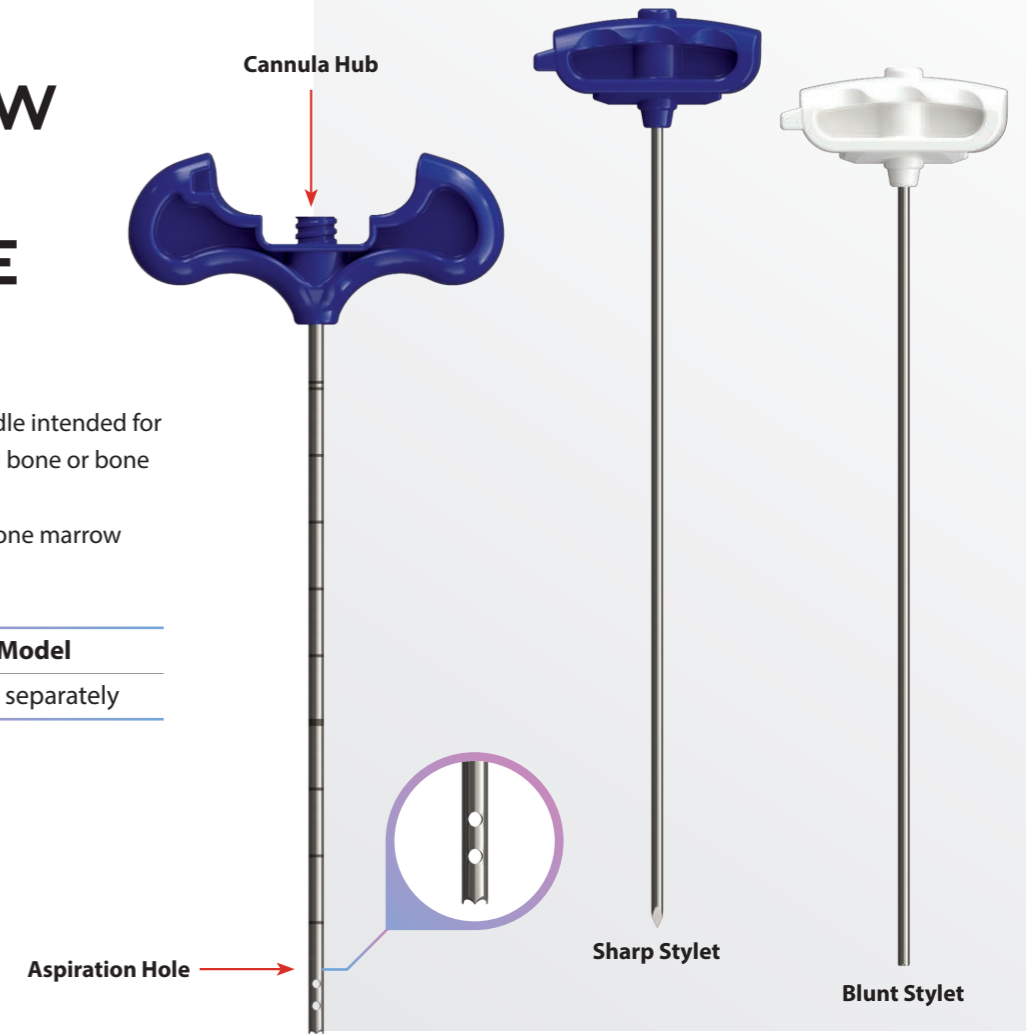


ABMC KIT

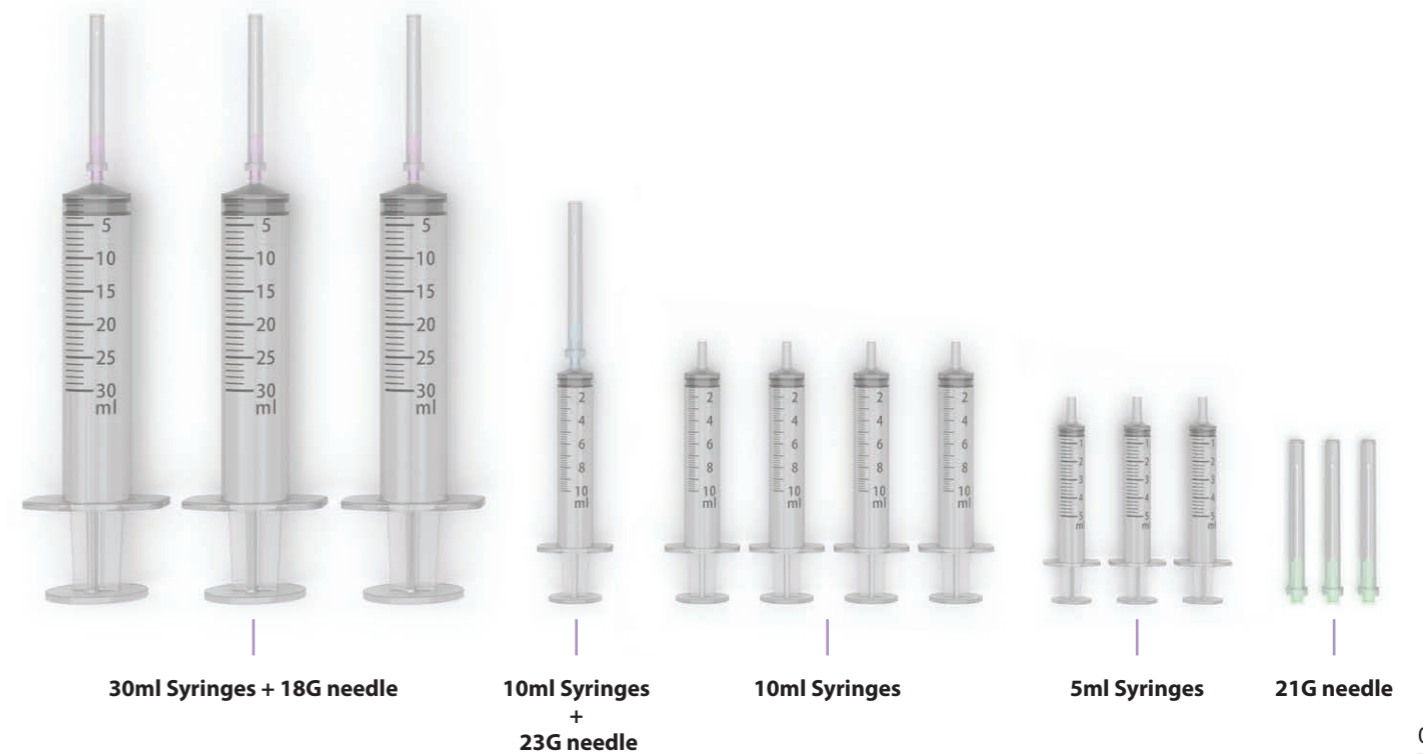
# 02 BONE MARROW BIOPSY NEEDLE (COLEX)

Bone Marrow Biopsy Needle intended for the purpose of harvesting bone or bone marrow specimens. 5 suction holes for easy bone marrow collection.

<b>11G</b>	<b>Basic Model</b>
<b>13G</b>	Contact us separately



# 03 SYRINGES



# ADVANTAGE



## Safety

- 1) SW-BMC KIT which is the closed system, although the air in the treatment room is not in acceptable clean level, it may be still safe because of no open structure.
- 2) There is a microfilter to prevent bacteria from entering the tube.



## Efficiency

After primary removal of plasma through two built-in extraction ports, concentrated BMAC are extracted. It is easy to extract BMAC.



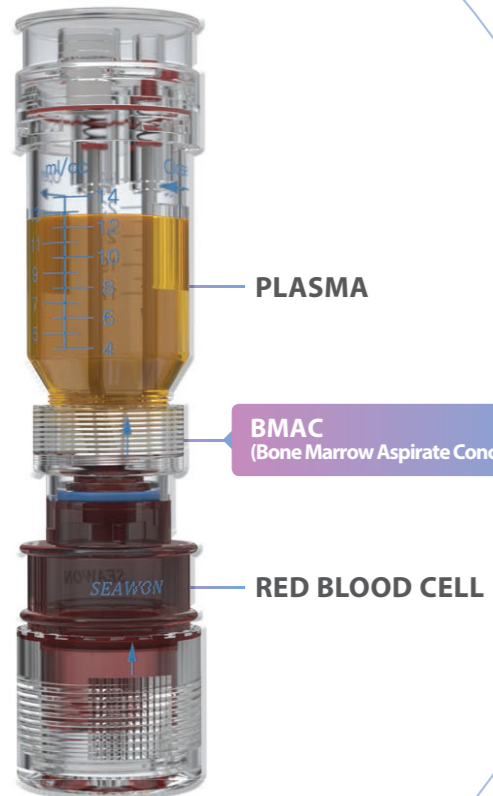
## Convenience

The procedure is convenient as it is made with a single tube that does not require transferring the bone marrow to another tube, and the procedure can be performed within 15 minutes.



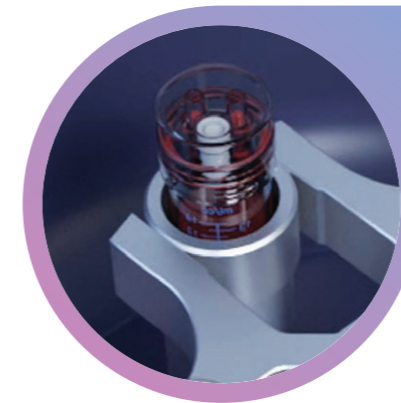
## Differentiation

The extraction port is divided into two, so a separate filter is not required.



# USING CENTRIFUGE

The components are separated using each specific gravity difference in the bone marrow to extract BMAC.



ABMC KIT MOVIE  
QR CODE



1. Connect a disposable sterile needle (21G) to the 30ml syringe ① and Inject 6ml of A-CDA into Syringe.

\* Proceed the same way for 30ml syringe ② and ③, but inject only 3ml of anticoagulant.

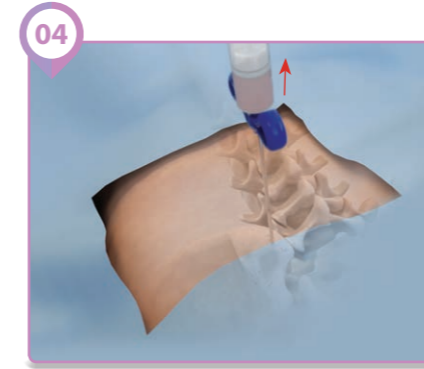


2. Connect 30ml syringe ① to COLEX Cannula, drain 3ml of anticoagulant and combine with Sharp Stylet.

\* 30ml syringe 2 and 3 omit the anticoagulant discharge process.



3. After local anesthesia, make a incision in the skin using a surgical knife. Insert the COLEX through the incision.



4. Connect a 30ml syringe containing 3ml of anticoagulant to the canula to collect 20ml of bone marrow (23ml including anticoagulant) and shake it sufficiently to prevent the bone marrow from hardening.



5. Connect SW-BMC KIT with 3-way and combine the syringe to transfer the bone marrow to SW-BMC KIT.



6. Remove the 3way & syringe and close it by inserting the Inlet Cap.



7. Weigh the body, and prepare the other empty kit by injecting water so that it can weigh like this.



8-1. Install the SW-BMC KIT body in the centrifuge and the water-filled body on the opposite side to face it.

8-2. Set the centrifuge to RCF 2350G, 7 minutes and perform the first centrifugation.(Set Program No. 1)

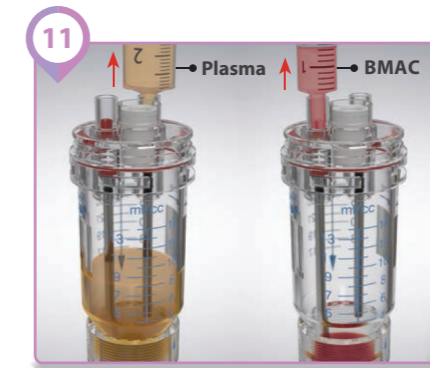


9-1. After centrifugation, carefully remove the main concentrated bone marrow layer to prevent mixing, check the position of the top of the concentrated bone marrow cell. Turn the lower cap counterclockwise, and place the top of the red blood cell on the blue line.

9-2. Turn the upper body clockwise all the way to keep the separated components from mixing and lock the valve.



10. Set the centrifuge to RCF 2350G, 3 minutes and perform a second centrifugation.(Set Program No. 2)



11. Connect the 10ml syringe to the plasma port, extract it slowly and separate it, and connect the 5ml syringe to the BMAC port to extract the BMAC. (The optimal BMAC is approximately 10% of the total capacity.)



12. Connect a 5ml syringe containing BMAC with an 21G needle and inject it into the treatment area.

**ABMC KIT**   
Autologous Bone Marrow Concentrate Kit



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