BioCUE

Blood and Bone Marrow Aspirate (BBMA) Concentration System



BioCUE Blood and Bone Marrow Aspirate (*BBMA*) Concentration System

Designed to process a mixture of autologous whole blood and bone marrow aspirate, the **BioCUE** *B***BMA Concentration System** represents an evolution in this technique. The system includes all the components to **ASPIRATE** blood and bone marrow, easily **PROCESS** the disposable system, and produce an autologous PRP output* to **HYDRATE** the surgeon's choice of autograft and/or allograft.

PRP Output* Concentrations

- 77.5% recovery of nucleated cells¹
- 71% recovery of available platelets¹
- 7.2x concentration of available platelets¹
- 7.9x concentration of available nucleated cells¹

TECHNIQUE MATTERS

When aspirating bone marrow with the BMA needle provided with the BioCUE System, keep these best practices in mind:

The 6 holes at the distal tip allow for more efficient collection of aspirate from different angles within the bone inside the cortical wall.²

While maintaining a 1:5 ratio of ACD-A to BMA in the aspirating syringe, add a little extra anticoagulant to flush the BMA needle with ACD-A as well. Six holes at the distal tip for better aspiration

Each needle comes with a trocar point and blunt tip for surgeon options

The role of whole blood and bone marrow in bone remodeling



Platelet-rich plasma (PRP) prepared from a mixture of whole blood and bone marrow may contain higher levels of plasma free hemoglobin than platelet-rich plasma (PRP) prepared from whole blood.

Examples of Autograft/ Allograft Bone Grafting Applications

The PRP output* from the BioCUE *B*BMA Platelet Concentration System can be mixed with autograft and/or allograft bone prior to application to an orthopedic site.



*The platelet-rich plasma (PRP) prepared by this device has not been evaluated for any clinical indications.

The safety and effectiveness of this device for in vivo indications for use, such as bone healing and hemostasis, have not been established.

References

- 1. Data on file at Biomet Biologics, LLC.
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 Robbins, Stanley L., Ramzi S. Cotran, and Vinay Kumar. Pathologic Basis Of Disease. 7th ed. Philadelphia: Saunders, 1984.
- 4. Kapinas, K., Delany, A. MicroRNA Biogenesis And Regulation Of Bone Remodeling. Arthritis Research & Therapy 2011, 13:220.



One Surgeon. One Patient.

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