

MARROW CELLUTION™

“Technology to usher in a new age in bone marrow stem cell harvesting”



“Also very significant is the fact that we would probably NOT NEED TO CENTRIFUGE THE ASPIRATE that we obtain with the new technology.”

– Joseph Purita, MD, Orthopedic Surgeon, Boca Raton, FL

“In a pilot trial, controlling for the same patient and procedure, the measured number of progenitor cells per mL from the Marrow Cellution protocol was comparable to the concentrate from the centrifugation protocol.”

– David B Harrell, PhD, Brt, OF, FAARM, FRIPH, DABRM

(1) Independent data from 2 separate laboratories.

(2) Journal of Orthopaedic Trauma Publish Ahead of Print Title: A prospective comparison of three approved systems for autologous bone marrow concentration demonstrated non-equivalency in progenitor cell number and concentration Hegde MD et al.

SYSTEM	CFU-f per mL
Marrow Cellutions	2275
Harvest SmartPrep	1270
Magellan Arteriocyte	514
GPS Biomet	134



1.800.272.6322 | www.ranfac.com

For more information, and to have a trial set-up, contact: info@ranfac.com

America's single source manufacturing facility. Made in the USA.

USA and Foreign Patent Pending.

MARROW CELLUTION™



MC-RAN-11

MC-RAN-11STS
1" longer than
MC-Ran-11

PARAMETER	MARROW CELLUTION™	CENTRIFUGATION PROTOCOL
Time	5 minutes	30 minutes
Invasiveness	10 mL taken	60 ML taken
Efficiency	Entire sample used in patient	85% of sample discarded, only 15% of sample used for patient
Contamination Risk	On field processing	Off field processing
Peripheral Blood Contamination	Minimal	High
O.R. Staff Time & Training	None	Extensive
Technique Sensitive	No	Very

"With these new needles I see only positives and no negatives. There is no stopping the advance of technology."

– Joseph Purita, MD, Orthopedic Surgeon, Boca Raton, FL



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