

*The NEW Gold Standard*



**PURE BIOLOGICS 2015**  
THE PERFECT STATE-OF-THE-ART

Pure**BMC**®  


 Pure **PRP**®

*Easier • Faster • Smarter*

## 544E Concentrating Systems 2015

The 5 minute Solution



Platelet Concentrating System  
544E



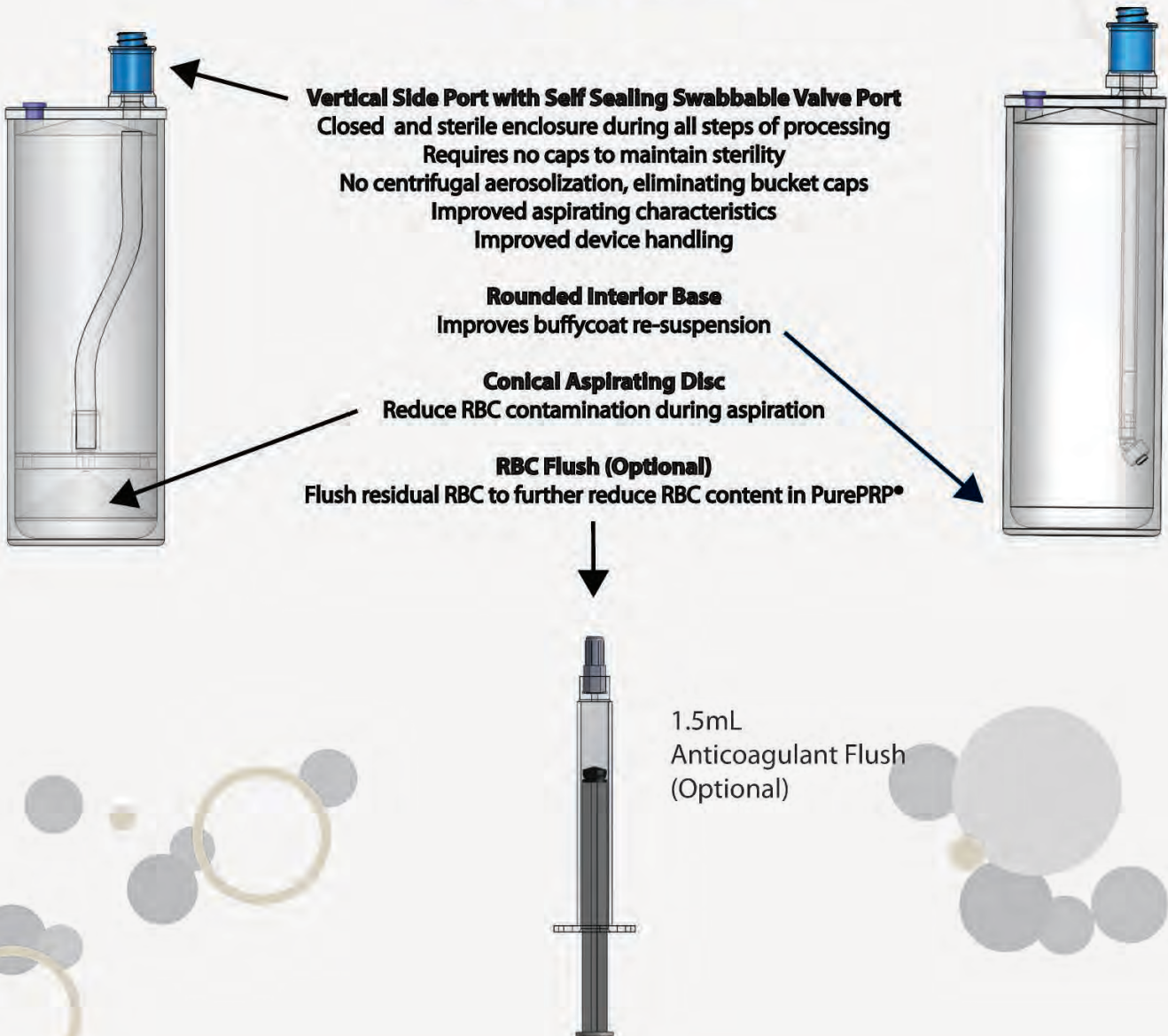
Bone Marrow Concentrating System 544E

A PATENT PENDING PROCESSING TECHNIQUE EXCLUSIVELY BY EMCYTE CORPORATION

**Pure PRP® II (2015)**

The Pure PRP® II (2015) Concentrating System has upgrades that make processing PurePRP® easier, faster and smarter. The modifications reduces processing steps and improves the safety and sterility handling of the PurePRP® System. Get the best performance from the best point of care PRP system available.

**Improved Devices**



**Pure PRP® II (2015) is Revolutionary**

The Pure PRP® II (2015) system is revolutionary. It is the only tabletop point of care system in its class to provide platelet concentrations that far exceed leading brands, all in less than 10 minutes of processing. Pure PRP® II (2015) is the most versatile point of care system, allowing physicians to quickly attain a cell preparation of their choosing.

**Ongoing Performance Analysis Report Campaign**

See the Ongoing Performance Analysis Report Campaign, for Pure PRP® at <http://www.emcyte.com> for the “always current” and up-to-date analysis of the performance of the Pure PRP® II (2015) system. This system was developed to provide objectivity and transparency in the clinical performance of the EmCyte systems. To be a participant in sample submission, call 239-481-7725 or visit the website for more information.

The data provided in the Ongoing Performance Analysis Report Campaign is independently reviewed at a reputable laboratory.

## PurePRP® II (2015) One System Two Protocols

**Protocol A**

Protocol A processes Pure PRP® without red blood cells or neutrophil granulocytes. This protocol is used when powerful healing without inflammatory activity is required at the application site. This protocol is also the low viscosity solution to a viable PRP product, providing very high concentrations of platelets in a bath of non-viscous plasma. This protocol has also been reported to reduce the potential for pain at the application site. It is the most frequently used protocol.

**Low Inflammatory PRP**

**High Platelet Count**  
**Low Granulocyte**  
**Low Viscosity**  
**Less than 1% HCT**

**Protocol B**

Protocol B processes Pure PRP® with low red blood cell counts and very high cytokine activity and neutrophil cell recoveries. This protocol is used when the phagocytic powers of neutrophils are needed to help fight infectious processes at the application site. This protocol produces the highest chemoattractant activity and significantly increases regeneration potential. Once the neutrophils have completed phagocytosis, they become apoptotic cells and are subsequently removed, thereby also eliminating the inflammatory activity.

**Infection Fighting PRP  
with Increased Cytokines**

**Higher Platelet Count**  
**High Neutrophil Granulocytes**  
**Moderate Viscosity**  
**HCT Less than 20%**

For more information on Protocol B  
Please call 239-481-7725

# THE *NEW* 5 MINUTE SOLUTION

## 544E

GenesisCS Component Concentrating System

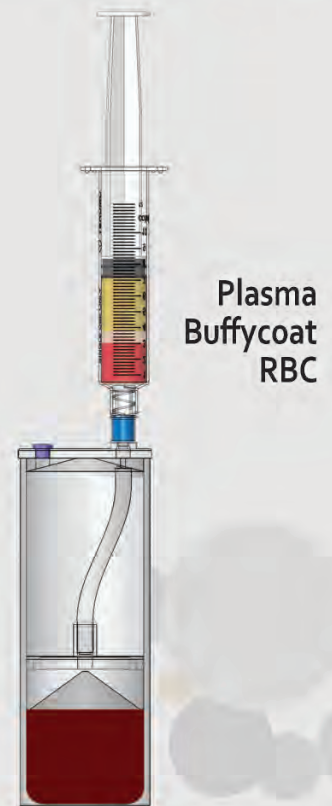
### The 544E Concentrating Systems

The GenesisCS Platelet and Bone Marrow Concentrating Systems has been greatly improved. They are now the fastest and most efficient 60mL concentrating systems available. Prepare 7mL of PRP or BMC, with high concentrations of regenerative cells, in a SINGLE 5 MINUTE SPIN. These systems were designed to accommodate physicians that run a busy practice and mandate superior performance outcomes that is consistent and reliable.

### The Secret to Improved Performance

The key to the 544E Concentrating System is the new ClearVUE Conical Piston. The piston is specially designed to greatly improve the collection of the cell concentrate buffycoat layer. The primary feature of the new ClearVUE Conical Piston is it's the deep conical shape. The deep conical design perfectly directs the collection of the cell concentrate buffycoat with minimal red cell integration. This provides quality platelet rich plasma and bone marrow concentrate with near perfect collection yields. The ClearVUE Conical Piston also features enhanced handling of the concentrating device with frictionless motion and a CLEAR VIEW of the buffycoat while its being aspirated, further instilling confidence in the quality of the end product.

### 7mL Cell Concentrate



# Free Independently Reviewed Onsite Product Validations

## Standing Behind Our Products

*Performance Confirmation at its Best*

### Ongoing Performance Analysis Report Campaign

EmCyte stands behind the performance of its concentrating systems. It is the only company that offers free independently reviewed onsite product validation. A representative will assist in the preparation of test a sample at your facility using any EmCyte 2015 PRP or BMC product. Then EmCyte will pay to have it independently validated at a reputable laboratory. This provides the physician with the documentation that confirms and validates the product performance, assuring that the clinical demand is met according to the standards of the physician.

### Avoid Biased Comparison Studies by Competitors

Avoid biased white papers and comparison performance data provided by competitors. It is simply better to rely on your own data. EmCyte understands that your motivation is not to sell products but rather to provide the best care to your patients. It is EmCyte's mission to help physicians achieve this goal. Onsite performance validation is the simple and unadulterated truth about real-time product performance at your facility.

### Tests Performed

EmCyte provides the sample preparation kit with simple instructions. The following test results are provided free of charge for the respective sample types.

	Platelet Rich Plasma Sample	Bone Marrow Concentrate Sample
	Platelet count	Platelet count
Test Performed	WBC	Total nucleated cell count
	Granulocytes	Hematopoietic stem cell count (CD34+)

Additional test can be performed at nominal fees.

### Performance Results

The performance results will be posted online, viewable to the public. So get up-to-date validation data from end users like yourself or add to the database by providing information of your own.

### Schedule Validation

Simply call 239-481-7725 to schedule product validation. The product validation program is only available to customers located within the US.

### PureBMC® (2015) is Better Than Ever

PureBMC® 2015 is better than ever and remains the flawless solution to Bone Marrow Cell Concentrate. PureBMC® 2015 processes BMC in a system that remains closed and sterile throughout all steps of processing. This is especially important when processing in a surgical suite. It is also proven to concentrate viable platelets, hematopoietic stem cells (HSC), total nucleated cells (TNC) and mesenchymal stem cells (MSC) in a bath of plasma with a low hematocrit. PureBMC® can be prepared with or without Heparin, either way it provides viable platelet concentrates that further add to the strength of the cell composition. PureBMC® delivers the excellence and reliability physicians can depend on.

### Higher HSC Concentrations

Hematopoietic stem cells (HSCs) are the blood cells that has the ability to replenish all blood cell types (Multipotency) and the ability to self-renew. This include monocytes, macrophages, erythrocytes, megakaryocytes, platelets, neutrophils, basophils, eosinophils, dendritic cells and lymphoid lineage cells.

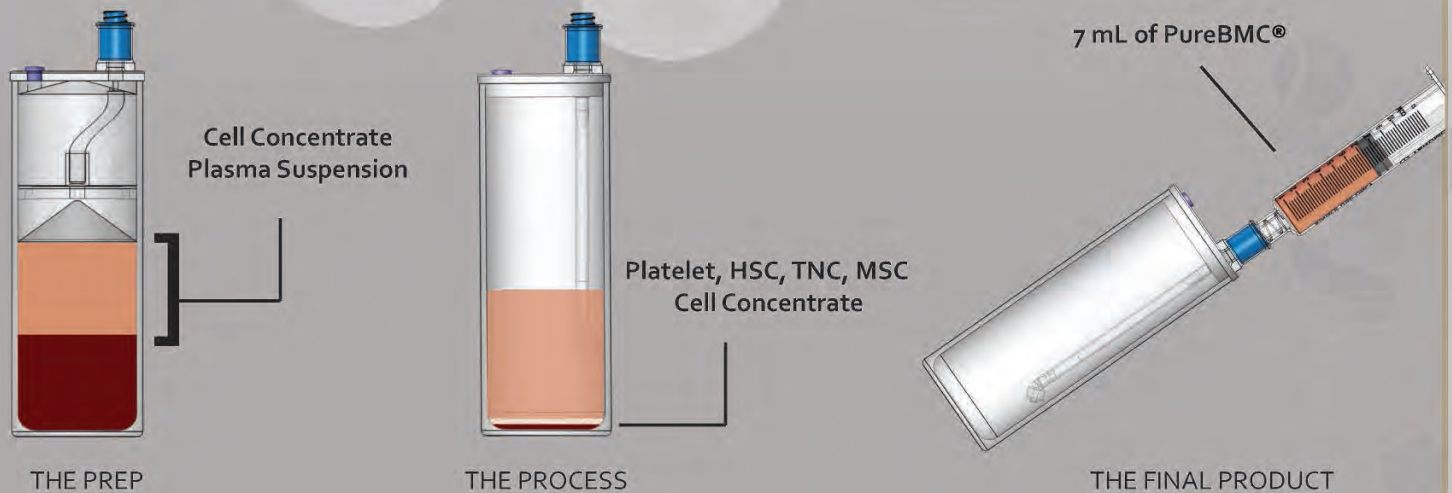
### Higher MSC Concentrations

Mesenchymal stem cells (MSC) are multipotent stromal cells that can differentiate into a variety of cell types. These cell types primarily include cartilage, bone and adipose cells. Mesenchymal stem cells are found in very small quantities in bone marrow aspirate, making the concentrating capabilities of PureBMC® more vital to the physician.

### Higher TNC Concentrations

Total nucleated cell count by any method is a count of cells with nuclei. In order to properly represent the TNC cell count a correction calculation that removes nucleated red blood cells (nRBCs) is performed. It is understood, as in other therapies, that more cells = better outcomes.

### PATENT PENDING Processing of PureBMC® (2015)



### PureBMC® (2015)

PureBMC® (2015) also contains concentrating devices that has been upgraded to improve performance outcomes. Beyond the device upgrade, PureBMC® (2015) has upgraded the aspirating accessory consisting of a 3mL syringe, 3 way stopcock and 6mL syringe. This allows the end user to more accurately collect the cell concentrate after the first centrifugation.

### Same Great Outcomes

Hematopoietic stem cells (CD34+), total nucleated cell (TNC), mesenchymal stem cell (CFU-F) and platelet isolation is perfected in the PureBMC® (2015) system. Similar to the Pure PRP®, PureBMC® (2015) is designed to retain high concentrations of these multiple cell concentrates with the lowest concentrations of red blood cells in a bone marrow concentrate product. Using a specialized cell isolation technique, PureBMC® (2015) provide more than 9X cell concentration in 7mL of PureBMC®. Preparation times are less than 10 minutes at the point of care. With careful attention to the details of gradient cell isolation, PureBMC® (2015) is a viable choice for a low hematocrit and high yielding bone marrow cell concentrate product.



## PureBMC® 2015

### Selectable Volumes & Concentrations

PureBMC® provide selectable sample volumes ranging from 3mL to 14mL. No matter what the sample size, PureBMC® provide clinical cell counts that exceed industry standards.

### Ongoing Performance Analysis Report Campaign

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PRODUCT SPECIFICATIONS:

Product number	Description	Package Quantity
	Kit Disposables	
GS60-PURE-II	Pure PRP® II 60mL (2015)	20/case
GS120-PURE-II	Pure PRP® II 120mL (2015)	16/case
BC60-PURE	PureBMC® 60mL (2015)	16/case
GS120	Platelet Concentrating System 120mL (544E)	16/case
GS60	Platelet Concentrating System 60mL (544E)	20/case
GS30	Platelet Concentrating System 30mL	20/case
GSBMA-60	Bone Marrow Concentrating System 60mL (544E)	16/case
GSBMA-120	Bone Marrow Concentrating System 120mL (544E)	16/case
	Equipment	
GS-022624340	Executive Series Centrifuge II	1/each

Caution: Federal law (USA) restricts this device to sale by or on the order of a physician.  
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[support@emcyte.com](mailto:support@emcyte.com)