



One Surgeon. One Patient.

Over 1 million times per year, Biomet helps one surgeon provide personalized care to one patient.

The science and art of medical care is to provide the right solution for each individual patient. This requires clinical mastery, a human connection between the surgeon and the patient, and the right tools for each situation.

At Biomet, we strive to view our work through the eyes of one surgeon and one patient. We treat every solution we provide as if it's meant for a family member.

Our approach to innovation creates real solutions that assist each surgeon in the delivery of durable personalized care to each patient, whether that solution requires a minimally invasive surgical technique, advanced biomaterials or a patient-matched implant.

When one surgeon connects with one patient to provide personalized care, the promise of medicine is fulfilled.

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Our Philosophy

The Biomet Biologics Product Portfolio represents the passionate pursuit of the most innovative and clinically relevant solutions addressing the needs of surgeons and their patients. As a leader in autologous products, Biomet Biologics offers a myriad of solutions for both hard and soft tissue applications, including bone grafting products, platelet and plasma concentration systems, a *B*BMA (blood and bone marrow aspirate) concentration system, an autologous activation system and bone marrow aspiration needles. Also offered are soft tissue reinforcement and wound covering products.

The philosophy defining our hard tissue products is based on the complex process involved in tissue repair, wherein the matrix/scaffold (osteoconductive), signaling proteins (osteopromotive and osteoinductive), and tissue forming cells (osteogenic) work in concert to form new tissue (bone).

This "Essentials of Bone Healing Triad" is the cornerstone of the Biomet Biologics Product Portfolio, which is one of the broadest portfolios in the market today. StaGraft DBM Putty & PLUS

StaGraft Canc. DBM Sponge/Strips

Bonus CC Matrix

> These products also exhibit Osteoconductive properties

Osteoinductive

Plasmax Plasma Concentration System

Platelet Concentration System

GPS III

BioCUE BBMA

Concentration System

Osteopromotive

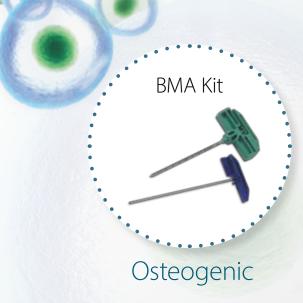
Mixed with autograft and/or allograft bone



CERAMENT[™]|BONE VOID FILLER Bonus Synthetic Bone Graft Substitute



Osteoconductive



Osteoconductive Materials

mannan

Osteoconductive materials provide the framework or scaffolding within a bony environment for cells to infiltrate and attach. They also offer porosity for vascular pathways and cell migration. Materials generally referred to as osteoconductive include certain calcium phosphate/ calcium sulfate based synthetics and allograft cortical as well as cancellous chips, sponges, and strips.^{1, 2}

Although autograft is considered the gold standard for orthopedic procedures requiring graft material, it has known limitations with associated donor site morbidity and limited availability.² Synthetic bone graft substitutes have been developed to overcome these limitations, and the emergence of biomaterials, such as Bonus Synthetic Bone Graft Substitute and CERAMENT™|BONE VOID FILLER offer many advantages for both the surgeon and the patient.

Ready-to-use granular and self-setting paste options provide the surgeon flexibility to pack, mold, and inject these materials to the defect site.

CERAMENT[™]|BONE VOID FILLER

CERAMENT[™]|BONE VOID FILLER is an injectable synthetic bone graft substitute combining two materials – calcium sulfate and hydroxyapatite – with a radiopacity enhancing agent, in a 40% hydroxyapatite, 60% calcium sulfate ratio.

- **Injectable**: Allows the material to be injected into cavities or drill holes through narrow gauge needles or delivery systems^{4, 6}
- **Biphasic**: The calcium sulfate is gradually resorbed during months, allowing for natural bone ingrowth while the hydroxyapatite acts as a long-term scaffold embedded into the new bone⁵
- Osteoconductive: Calcium sulfate matrix with embedded hydroxyapatite particles creates an osteoconductive framework allowing for new bone formation^{3–4, 6}
- Mimics Bone: Designed to mimic the properties of cancellous bone in terms of stiffness and strength^{3, 6}
- Drillable: Unique material combination resists crack formation and propagation when drilled⁷
- Radiopaque: Radiopacity enhancing agent containing lohexol makes CERAMENT[™]|BONE VOID FILLER highly visible under fluoroscopy and x-ray

Examples of Non-Load Bearing Potential Applications:*

Bone Cyst



Distal Radius Fracture



Osteolytic Lesions behind Acetabular Cups



Proximal Tibial Fractures

*Intended only for gaps and voids not intrinsic to the stability of the bony structure.

Osteoconductive Materials

Bonus Synthetic (Pro Osteon 500R) Bone Graft Substitute

Bonus Synthetic Bone Graft Substitute granules are resorbable, osteoconductive matrices consisting of a thin, 2–10 micron layer of hydroxyapatite over a calcium carbonate core. Bonus Synthetic Bone Graft Substitute has been indicated as a bone graft substitute that resorbs and is replaced with bone during the healing process. Its interconnected porosity, chemical composition, and 6–18 month resorption time makes Bonus Synthetic an environment for new bone growth.⁸

- Structure and porosity mimics human cancellous bone
- · Interconnected porosity provides continuous pathways for bony ingrowth
- · Resorbable, coralline hydroxyapatite/calcium carbonate granules
- Offered in a comprehensive Bone Graft Convenience Kit

Examples of Non-Load Bearing Potential Applications:*



Bone Cysts





Radius/Ulna Fractures

Fibula Fractures



Osteoinductive Materials

Osteoinductive materials induce bone formation in a bony or non-bony environment via the action of growth factors or signaling proteins, including Bone Morphogenetic Proteins (BMPs). These proteins stimulate the conversion of progenitor cells into bone forming osteoblasts.^{2,9} Materials that are generally referred to as osteoinductive in nature include demineralized bone matrix (DBM) and BMP products. Biomet Biologics products that fit this category include: StaGraft DBM products (Putty, PLUS,* Cancellous DBM Sponge and Strips), Bonus CC Matrix Bone Graft System, and FiberStack DBM.

DBM bone void fillers have been developed to overcome the limitations of autograft, and the emergence of biomaterials such as StaGraft DBM, Bonus CC Matrix Bone Graft System, and FiberStack DBM offer many advantages for both the surgeon and the patient. Ready-to-use DBM Putty and PLUS (combined with ceramic osteoconductive granules) options provide the surgeon flexibility to pack and mold these materials into the defect site. Cancellous and cortical DBM chips, strips, and sponges enable the surgeon to hydrate the materials with biologic fluids, such as blood, PRP, or bone marrow aspirate.



Bonus CC Matrix

StaGraft Cancellous DBM Sponge and Strips

The StaGraft Cancellous DBM sponge and strips are machined from a single piece of cancellous bone. The cancellous bone is demineralized, exposing the inherent growth factors that are essential for new bone formation.

Rehydration can be achieved with blood, bone marrow aspirate (BMA), or saline solution. The demineralization process and trabecular structure provide sponge-like handling, which allows the grafts to fit into a variety of bone voids or spinal cavities.

If compressed, these products will expand to fill the contours of a void, thereby minimizing the space between the graft and the host bone.

- **Osteoinductive**: Bone fully demineralized to optimize inherent growth factors that are essential for new bone formation.
- **Sponge-Like Handling**: When compressed, the grafts will naturally expand back to their original state, allowing them to fill the contours of a void, thereby minimizing the space between the graft and the host bone.
- **Trabecular Structure**: The interconnected porosity of cancellous bone provides for cellular infiltration.

Osteoinductive Materials

StaGraft DBM Putty and PLUS

StaGraft DBM is an osteoinductive demineralized bone matrix in a natural lecithin carrier, and is available as a 40% DBM Putty, or 35% DBM PLUS pre-mixed with resorbable coralline hydroxyapatite granules/calcium carbonate granules. The natural quality of the carrier and its outstanding containment and handling characteristics enable the surgeon to mold it to surgical sites, even in the presence of excessive fluids and under lavage.

- Excellent handling and performance characteristics tolerates lavage/irrigation
- DBM-to-carrier ratio engineered for optimized osteoinductivity²³
- StaGraft PLUS with resorbable granules has excellent handling properties
- Easy to use pre-loaded in a syringe; stored at room temperature





Midfoot Fusions



Corrective Osteotomies (Evans/Lateral Column Lengthening Procedure)



Long Bone Fracture



10 * StaGraft DBM is intended for use in bone voids and gaps in the extremities or pelvis that is not intrinsic to the stability of the structure.

Bonus CC Matrix Bone Graft System

Bonus CC Matrix Bone Graft System is a unique formulation of cortical and cancellous bone which provides an osteoconductive scaffold for bone growth with flexible hydrating and handling options. Bonus CC Matrix offers all the benefits of allograft DBM while providing a consistent and efficient method of hydration.

Bonus CC Matrix Bone Graft System is a 50/50 mixture of demineralized human cortical bone and mineralized ground cancellous bone derived from a single donor. The versatile delivery syringe allows Bonus CC Matrix to be hydrated with a carrier of the surgeon's choosing for desired handling properties.

- Osteoconductive scaffold
- Osteoinductive DBM powder
- User controlled consistency
- 50/50 cancellous bone chips and demineralized bone matrix (DBM)

Osteopromotive Materials

Osteopromotive* materials enhance the natural bone healing process.¹⁰⁻¹² PRP is mixed with autograft or allograft materials to impart better graft-handling characteristics.¹⁰

Biomet Biologics products that fit this category include the GPS III Platelet Concentration System, BioCUE Blood and Bone Marrow Aspirate (BBMA) Concentration System, Plasmax Plasma Concentration System, and Clotalyst Autologous Activation System.

*Products that produce a PRP output do not currently have FDA clearance to be characterized with a specific mechanism of action. PRP, in and of itself (i.e., without the autograft or allograft), is not FDA cleared as "osteopromotive."

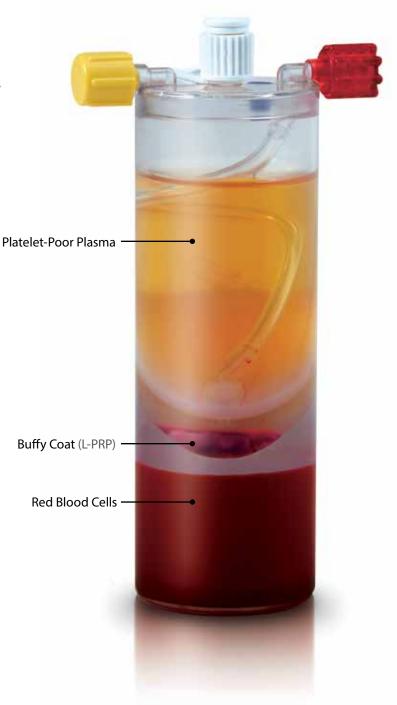


GPS III Platelet Concentration System

Whole blood contains several components that can be concentrated during centrifugation to form a buffy coat layer or leukocyte-rich platelet-rich plasma (L-PRP). By utilizing the GPS III Platelet Concentration System, the patient's own platelets can be separated into a highly concentrated formula. The L-PRP is mixed with autograft and/or allograft bone.

L-PRP Output Concentrations

- 90% recovery of available platelets¹⁷
- 9.3x platelet increase over baseline¹⁷
- 5x white blood cell increase over baseline¹³
- 6 ml of autologous PRP output¹³
- 15 minutes centrifuge process¹³



Osteopromotive Materials

Plasmax Plasma Concentration System

The Plasmax Plasma Concentration System is comprised of two distinct parts, the GPS III Separator and the Plasmax Concentrator. The GPS III Separator produces leukocyte-rich platelet-rich plasma (L-PRP) from a small sample of the patient's own blood. The Plasmax Concentrator produces autologous fibrinogen-rich platelet-poor plasma concentrate (PPPc)* utilizing polyacrylamide beads to remove excess water.

Features:

- 3x increase in plasma proteins including fibrinogen¹⁸
- Outputs up to 10 cc of rapidly polymerizing autologous plasma concentrate
- Outputs up to 6 cc of platelet-rich plasma (from GPS III Separator)
- Total centrifugation time is less than 20 minutes
- Point-of-care preparation
- No refrigeration required



Plasmax Concentrator

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 DRAW blood, ASPIRATE bone marrow, easily PROCESS the disposable system, and produce an autologous PRP output to HYDRATE the surgeon's choice of autograft and/or allograft bone.

PRP Output Concentrations

- 77.5% recovery of nucleated cells²²
- 71% recovery of available platelets²²
- 7.2x concentration of available platelets²²
- 7.9x concentration of available nucleated cells²²

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.²¹

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.

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

Osteopromotive Materials

Clotalyst Autologous Activation System

The Clotalyst Autologous Activation System rapidly produces up to 10 ml of autologous clotting factors from 12 ml of the patient's blood at the point-of-care. When combined with the leukocyte-rich platelet-rich plasma (L-PRP) produced by the GPS III Platelet Concentration System, the autologous clotting factors from the Clotalyst Autologous Activation System activate platelets and initiate fibrin formation and cross-linking to form a platelet gel in under 15 seconds. When platelet gel is combined with autograft or allograft bone chips, handling is significantly improved.¹⁴

Simple

- No heating necessary
- No centrifugation needed
- All components supplied in a single kit

Consistent

- Produces up to 10 ml of activation solution
- · Clots platelet-rich plasma in less than 15 seconds
- Clotting factors stable up to 4 hours after preparation¹⁵

Autologous

- No pooled donor or bovine sources
- May eliminate risk of non-autologous blood borne pathogens
- May eliminate potential non-autologous source related coagulopathies¹⁶

Osteogenic Materials

Osteogenic materials, such as autograft and/or bone marrow aspirate, contain viable cells, such as mesenchymal stem cells, osteoprogenitor cells, or osteoblasts, which are capable of synthesizing new bone.^{2, 10} Materials generally referred to as osteogenic in nature include autograft and bone marrow aspirate (BMA). BMA is typically combined with osteoconductive and osteoinductive materials for bone grafting purposes.

BOS Bone Marrow Aspiration Kit

Features of Bone Marrow Aspiration Needle

- Aspirate can be obtained from a variety of anatomical locations including the illiac crest, tibia, and calcaneous
- Six holes placed at distal tip, allowing for efficient aspiration²¹
- One stylet with trocar point for penetration of the cortical bone into the bone marrow cavity
- One stylet with blunt tip for easy movement of the needle within the bone marrow cavity

Soft Tissue Management Products

DermaSpan Acellular Dermal Matrix

DermaSpan Acellular Dermal Matrix is carefully processed to offer biocompatibility as well as biomechanical strength. DermaSpan Matrix can be used in various practices, including orthopedics, plastic surgery, and general surgery, for the repair and replacement of damaged or inadequate integumental tissue (wound coverage). DermaSpan can also be used for supplemental support, protection, reinforcement, or covering of tendon. Through a unique, proprietary process DermaSpan Acellular Dermal Matrix is supplied sterile (SAL-10⁻⁶). Histology studies have shown Precision Dose Sterilization allows the graft to be sterilized while maintaining integrity.¹⁹

- Acellular dermal matrix derived from allograft human skin²⁰
- Infiltrated by host tissue in animal studies¹⁹

Examples of Non-Load Bearing Potential Applications:



Achilles Tendon Reinforcement



Wound Coverage

Indications for Use - Please see package inserts for additional device information/labeling.

| Device | Clinical Indications |
|---|---|
| GPS III Platelet Concentrate Separation Kit with ACD-A | The GPS III Platelet Concentrate Separation Kit with ACD-A is designed to be used for the safe and rapid preparation of autologous platelet-rich plasma (PRP) from a small sample of the patient's blood at the point of care. The PRP can be mixed with autograft and allograft bone prior to application to an orthopedic surgical site as deemed necessary by the clinical use requirements. |
| Plasmax Plasma Concentrator | The Plasmax Plasma Concentrator with GPS III Platelet Concentrate Separation Kit with ACD-A is designed to be used for the safe and rapid preparation of concentrated platelet-poor-plasma (PPPc) and autologous platelet-rich-plasma (PRP) from a small sample of blood at the patient's point of care. The PPPc and PRP can be mixed with autograft and allograft bone prior to application to an orthopedic surgical site as deemed necessary by the clinical use requirements. |
| BioCUE Platelet Concentration System | The BioCUE Platelet Concentration System is designed to be used in the clinical laboratory or intraoperatively at the point of care for the safe and rapid preparation of platelet poor plasma (PPP) and platelet rich plasma (PRP) from a small sample of blood and bone marrow mixture. The plasma and concentrated platelets produced can be used for diagnostic tests. Additionally, the platelet rich plasma (PRP) can be mixed with autograft and/or allograft bone prior to application to an orthopedic site. |
| CERAMENT™ BONE VOID FILLER | CERAMENT [™] BONE VOID FILLER is a ceramic bone void filler intended only for orthopedic applications as a filler for gaps and voids that are not intrinsic to the stability of the bony structure. CERAMENT [™] BONE VOID is indicated to be injected into bony voids or gaps in the skeletal system, i.e. extremities, pelvis, and spine (only during open surgery in the spine). These defects may be surgically created osseous defects or osseous defects created from traumatic injury to the bone. CERAMENT [™] BONE VOID FILLER provides a bone void filler that resorbs and is replaced by bone during the healing process. CERAMENT [™] BONE VOID FILLER is not intended for use in load bearing applications such as vertebroplasty and kyphoplasty. |
| Bonus Synthetic Bone Graft Substitute Resorbable Bone Graft Substitute | Bonus Synthetic Bone Graft Substitute Resorbable Bone Graft Substitute is indicated only for bony voids or gaps that are not intrinsic to the stability of the bony structure. Bonus Synthetic Bone Graft Substitute is indicated to be gently packed into bony voids or gaps of the skeletal system (i.e., the extremities, spine and pelvis). These defects may be surgically created osseous defects or osseous defects created from traumatic injury to the bone. Bonus Synthetic Bone Graft Substitute can be combined with autogenous bone marrow aspirate, autogenous blood, and/or sterile fluids (saline or Ringer's solution). The product provides a bone void filler that resorbs and is replaced with bone during the healing process. |
| StaGraft Cancellous Graft <i>Bonus</i> CC Matrix | These allografts meet the definition of a tissue-based product as defined in 21 CFR Part 1271, Human Cells, Tissues and Cellular and Tissue-based products (HCT/Ps) and are solely regulated under Section 361 of the Public Health Services Act. Tissue-based products regulated as 361 HCT/ Ps are exempt from premarket requirements. |
| StaGraft DBM (Putty, Plus) also known as InterGro DBM (Putty, Paste, Plus) | StaGraft DBM products (Putty, Plus) are to be used for filling bony voids or gaps in the extremities and pelvis that are not intrinsic to the bony stability of the structure, and as an autograft extender in spine. StaGraft Plus may also be used as a bone void filler in the spine (posterolateral spine). These defects may be surgically created osseous defects or osseous defects created from traumatic injury to bone. StaGraft DBM may also be used for filling craniofacial defects and craniotomies that are no larger than 25 cm ² . The amount of StaGraft DBM products to be used should be based on the type of procedure and size of graft site. |
| BMA Kit | The Bone Marrow Aspiration Needle is intended for use in aspirating bone marrow. |
| Clotalyst Autologous Activation System | The GPS III Separator is designed to be used for the safe and rapid preparation of autologous platelet-rich plasma (PRP) from a small sample of the patient's blood at the point of care. The PRP can be mixed with autograft and allograft bone prior to application to an orthopedic surgical site as deemed necessary by the clinical use requirements. The Clotalyst Kit is designed for the preparation of autologous serum that is to be mixed with the PRP and allograft for bone graft handling prior to application to the orthopedic surgical site. |
| DermaSpan Acellular Dermal Matrix 361 HCT/P Tissue (human tissue) | DermaSpan ACD is processed to remove cells while maintaining the integrity of the matrix with the intent to address the issues of the specific and nonspecific inflammatory responses. It is to be used for the repair or replacement of damaged or inadequate integumental tissue or for other homologous uses of human integument. It may also be used for supplemental support, protection, reinforcement or covering of tendon. Each package of DermaSpan ACD is intended for use in one patient, on a single occasion by a licensed physician, surgeon, dentist or podiatrist. |

Catalog Part Numbers

CERAMENT[™] I BONE VOID FILLER

| 800-4000 | 5 сс |
|-----------|---------------|
| 800-4001 | 10 сс |
| 800-4002 | 18 сс |
| 800-4000S | 5 cc (Sample) |

StaGraft Demineralized Bone

| 92-2000 | Putty, 0.5 cc |
|----------|---|
| 92-2001 | Putty, 1 cc |
| 92-2002 | Putty, 2 cc |
| 92-2003 | Putty, 5 cc |
| 92-2004 | Putty, 10 cc |
| 92-2005 | Plus +500R, 2 cc |
| 92-2006 | Plus +500R, 5 cc |
| 92-2007 | Plus +500R, 10 cc |
| 92-2003S | Putty (Sample), 5 cc |
| 92-2006S | Plus +500R (Sample), 5 cc |
| 92-3250 | Cancellous Strip, 20 x 50 x 5 mm |
| 92-3230 | Cancellous Strip, 20 x 30 x 5 mm |
| 92-3214 | Cancellous Sponge, 14 mm (cube) |
| 92-32145 | Cancellous Sponge, 14 mm (cube) (Sample) |
| 92-3230S | Cancellous Strip, 20 x 30 x 5 mm (Sample) |

Bonus CC Matrix

| 48-1805 | 5 сс |
|----------|---------------|
| 48-1810 | 10 сс |
| 48-1805S | 5cc (Sample) |
| 48-1810S | 10cc (Sample) |

FiberStack Demineralized Bone Matrix

| 48-STACK1 | 1 gram |
|-----------|---------------|
| 48-STACK2 | 2 grams |
| 48-P0001 | 1 gram Patch |
| 48-P0002 | 2 grams Patch |

GPS III Platelet Concentration System

| GPS III Mini Kit w/ACD-A & BD |
|---------------------------------|
| GPS III Single Kit w/Blood Draw |
| GPS III Double Kit w/BD & ACD-A |
| GPS Standard 6-Pack |
| GPS Mini 6-Pack |
| Graft Preparation System |
| Biomet Biologics Mini Ctr Bal |
| Biomet Biologics Counter Bal |
| |

Plasmax Plasma Concentration System

| 800-0516 | Plasmax W/GPS III Mini & 30 ml ACD-A |
|----------|--|
| 800-0517 | Plasmax Plus W/GPS III Single & 30 ml ACD-A |
| 800-0510 | Plasmax Concentrator C-Bal |
| 800-0512 | Counterbalance Plasmax Plus |

Clotalyst Autologous Activation System

| 800-0724 | Clotalyst /GPS III Mini & Reagent |
|----------|---|
| 800-0726 | Clotalyst /GPS III Single Kit & Reagent |

BioCUE BBMA Concentration System

| 800-0610A | BioCUE Mini Kit |
|-----------|---|
| 800-0611A | BioCUE Std Kit Domestic. |
| 800-0534 | Bone Graft Convenience Kit with BioCUE Mini Disposable |
| 800-0536 | Bone Graft Convenience Kit with BioCUE Standard Disposable |
| 800-0300 | Graft Preparation System |
| 800-0705 | BOS Bone Marrow Asp Kit |

Tips and Spray Kits

| 800-0201 | GPS Dual Spray Applicator Tip |
|----------|---|
| 800-0204 | GPS Blending CNNTR SNGL Chanel |
| 800-0202 | GPS Dual Tip Malable 20 GAX4IN |
| 800-0203 | GPS Dual Tip Malable 20 GAX7IN |
| 800-0207 | GPS Dual Lumendotip 5 mm x 12.5 IN |
| 800-0208 | Endoscopic RGD Tip 1-1 5 mm x 16 IN |
| 800-0217 | Endoscopic RGD Tip 1-1 5 mm x 16 IN |
| 800-0250 | Biomet Biologics Spray Kit |
| 800-0251 | Dual Ratio Applicator Kit |
| 800-0252 | Mixing Spray Tip |
| 800-0260 | Biomet Biologics ARSOL Spray Kit 11:1 |
| 800-0225 | Arthroscopic Delivery Kit |
| 800-0211 | GPS Aerosol Regulator |
| 800-0215 | Aerosol Regulator w/Vent |
| 800-0270 | CoAxial Spray Kit with two spray tips |
| 800-0274 | CoAxial 4-inch Malleable Dual Spray Tip |
| 800-0526 | CDO System Final Assembly |

Centrifuge and Accessories

| 755VES | Centrifuge 115V 50/60 HZ Drucker with Cord |
|----------|--|
| 7760006 | Power Cord for 755VES Centrifuge |
| 7436 | Universal GPS Spare Bucket Kit for 755VES 60 mL (2 Green Buckets) |
| 7433 | Mini Kit Spare Bucket Centrifuge (Purple Buckets) |
| 800-0401 | Universal Blood Draw |

DermaSpan Acellular Dermal Matrix

| Dermaspan Aceliular Dermai Matrix | | |
|-----------------------------------|-------------|------------------|
| | 48-0400404M | 0.4 mm – 0.8 mm |
| | 48-0400408M | 0.4 mm – 0.8 mm |
| | 48-0700404 | 0.5 mm – 0.9 mm |
| | 48-0700408 | 0.5 mm – 0.9 mm |
| | 48-1100407 | 0.8 mm – 1.4 mm |
| | 48-1100510 | 0.8 mm – 1.4 mm |
| | 48-1100505 | 0.8 mm – 1.4 mm |
| | 48-0900307 | 0.9 mm – 1.99 mm |
| | 48-0900407 | 0.9 mm – 1.99 mm |
| | 48-0900412 | 0.9 mm – 1.99 mm |
| | 48-0900416 | 0.9 mm – 1.99 mm |
| | 48-0900510 | 0.9 mm – 1.99 mm |
| | 48-0900612 | 0.9 mm – 1.99 mm |
| | 48-0900616 | 0.9 mm – 1.99 mm |
| | 48-0900812 | 0.9 mm – 1.99 mm |
| | 48-0900816 | 0.9 mm – 1.99 mm |
| | 48-0901212 | 0.9 mm – 1.99 mm |
| | 48-0901620 | 0.9 mm – 1.99 mm |
| | 48-2000307 | 2.0 mm – 3.5 mm |
| | 48-2000407 | 2.0 mm – 3.5 mm |
| | 48-2000412 | 2.0 mm – 3.5 mm |
| | 48-2000416 | 2.0 mm – 3.5 mm |
| | 48-2000510 | 2.0 mm – 3.5 mm |
| | 48-2000612 | 2.0 mm – 3.5 mm |
| | 48-2000616 | 2.0 mm – 3.5 mm |
| | 48-2000812 | 2.0 mm – 3.5 mm |
| | 48-2000816 | 2.0 mm – 3.5 mm |
| | 48-2001212 | 2.0 mm – 3.5 mm |
| | 48-2001620 | 2.0 mm – 3.5 mm |
| | | |

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