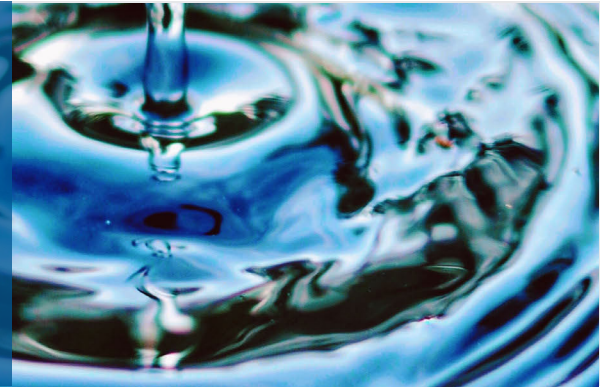




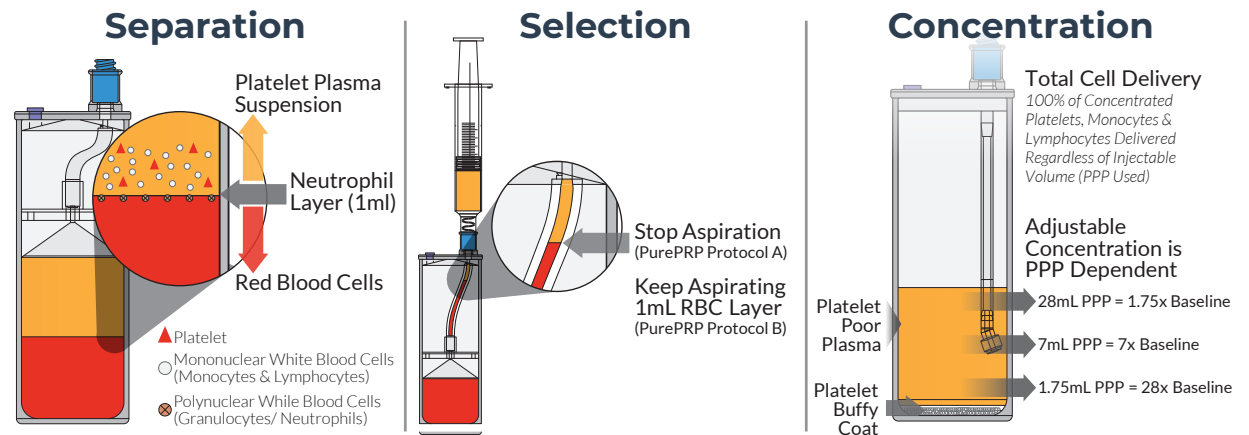
AbsolutePRP® and PurePRP®

FDA Cleared Platelet-Rich Plasma Kits
Clinical grade PRP, backed by data



Platelet Rich Plasma (PRP) consists of a concentrated solution of platelets, (PLTs) growth factors, signaling molecules, and plasma proteins that play vital roles in orchestrating a healing response.

PRP is injected directly into the injured area, stimulating a healing cascade to treat acute injury, inflammation and/or chronic degenerative disease. Platelets store a vast array of growth factors which are released at the site of injury through cell signaling and local activation.



APPLICATION RECOMMENDATIONS (Tip Sheets by indication available)

Osteoarthritis (OA) of Joints

- Knee^{7,8}
- Hip^{2,5}
- Shoulder²³
- Hand⁹
- Ankle⁶

Spine

- Degenerative Disc Disease²¹
- Facet Joint OA¹⁵
- SI Joint Dysfunction¹³

Tissues (Ligaments & Tendons)

- Tennis / Golfers Elbow (Lateral / Medial epicondylitis)^{18,19}
- Acetabular Hip Labrum Tear²⁰
- Bursitis/Greater Trochanteric Pain Syndrome/Gluteus Medius and Minimus Tendinopathy^{1,3,17}
- Tendonitis / Tendinosis^{29,30}
- Ankle Tendinopathy⁴
- Subacromial Impingement Syndrome²²
- Partial Thickness Rotator Cuff Tear²³

Bone

- Non-Union / Accelerated Bone Healing²⁵
- Subchondral Edema³¹
- Subchondral Bone (often in conjunction with joint injection)^{24,27}

BENEFITS

Flexibility

- Variety of kit sizes (20mL, 30mL, 60mL, 120mL)
- PLT dose and PRP volume flexible to indication treated
- Protocol A: Neutrophil-Poor - Protocol B: Neutrophil-Rich
- One kit, two protocols (Neutrophil-Rich and Neutrophil-Poor)
- PRP centrifuge can also spin Bone Marrow Concentrates, Plasma Concentrates (α-2-M) and Adipose grafts (all FDA cleared 510k kits)

Safe + Therapeutic

- Closed system
- Highest PLT dose on the market
- Made in the USA
- No need for laminar flow hood



PERFORMANCE INFORMATION

SUMMARY: Hematology of Products (Mean ± Standard Deviation)

Platform	WBC x 10 ⁶ /mL	MC x 10 ⁵ /mL	GRAN x 10 ⁶ /mL	PLT x 10 ⁶ /mL	HCT %
PurePRP II	10.7 ± 3.2	9.8 ± 3.0	0.9 ± 0.4	1,293 ± 362	1.1 ± 0.4
Harvest Clear	1.4 ± 1.2	1.0 ± 1.3	0.1 ± 0.1	1,003 ± 307	0.1 ± 0.1
Arthrex Angel	5.9 ± 1.4	4.8 ± 1.6	1.2 ± 1.0	859 ± 231	2.8 ± 0.3

MC = Lymphocytes + Monocytes; GRAN = Granulocytes; PLT = Platelet

Platform	PDGF AB (pg/mL)	TGF-β (pg/mL)	VEGF (pg/mL)	SDF-1α (pg/mL)
PurePRP II	68,194 ± 12,398	75,546 ± 21,491	813 ± 811	3,418 ± 537
Harvest Clear	55,860 ± 18,013	58,505 ± 18,048	689 ± 697	3,113 ± 610
Arthrex Angel	39,714 ± 11,248	41,886 ± 12,794	387 ± 293	2,771 ± 661



PLYMOUTH
MEDICAL

	AbsolutePRP	PurePRP	Arthrex Angel	Harvest Clear	Magellan/ISTO
Hematocrit %	Protocol A: <1% Protocol B: 42-46%	Protocol A: <1% Protocol B: 5%	Variable	Less than 1%	7.8%
Platelet Concentration x Baseline	Protocol A: 3.5x Protocol B: 5.0x	Protocol A: 3x-28x Protocol B: 3x-28x	4x	5x	6x
Platelet Yield	70%-96%	>80%	49%	62%	63%
Granulocyte Reduction	Protocol A: 98% Protocol B: 13-23%	Protocol A: 98% Protocol B: 23%	97%	100%	74%
Processing Time	Protocol A: 1min Protocol B: 5min	Protocol A & B: 1 min first spin + 5 min second spin	15 min	14 min	12-17 min

Reference: BSR lab, Robert Mandle, 2015, White paper Data on file <https://www.plymouthmedical.com/resources>



PUBLICATIONS

For a full list of publications please visit the following link:
www.plymouthmedical.com/educationalreferences
or scan the QR code to the left.

Regulatory: BK 050055

FDA Clearance 510 (k) Class II Medical Device, which is designed to be used for the safe and rapid preparation of autologous platelet rich plasma (PRP) from a small sample of blood at the patients point of care.

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