

Healing with horsepower



REGENERATIVE MEDICINE DEVICES

Pro-Stride
APS

Restigen
PRP

CenTrate
BMA

zoetis

REGENERATIVE
MEDICINE

PRO-STRIDE[®]
APS

RESTIGEN[®]
PRP

CENTRATE[®]
BMA

CENTRIFUGE

KEY
BENEFITS

ORDERING
INFORMATION

REFERENCES

Meet our family

of devices for use in regenerative medicine therapies.

Three advanced devices that use a horse's own blood or bone marrow for healing

With these devices, you can help reduce inflammation and pain associated with osteoarthritis, heal wounds, repair soft tissue injuries, repair fractures and more.^{1, 2, 3}

Pro-Stride® APS

Autologous Protein Solution System

Produces concentrated solution of cells, platelets, growth factors and anti-inflammatory cytokines.

Restigen® PRP

Platelet Concentration Kit

Consistently maximizes platelet recovery and concentration regardless of hematocrit.

CenTrate® BMA

Bone Marrow Aspirate Kit

Creates a rich source of mesenchymal stem cells and other progenitor cells.

Zoetis Universal Centrifuge

Designed to work with our portfolio of devices for use in regenerative medicine therapies, this multipurpose device also works with standard blood and conical tubes. Manufactured by Drucker Diagnostics, it's the only centrifuge you need for any type of sampling.

Portable
Stall or horse side

Fast
<20-minute processing

Convenient
Easy to use

No incubation required

A convenient solution is at hand

Reduce pain and manage articular pathology with the healing properties found within the horse's own blood.⁸

How does Pro-Stride work?

By harnessing the power of the horse's blood, Pro-Stride produces a highly concentrated solution that only requires a small ml volume of fluid to get results. The solution also contains growth factors and anti-inflammatory cytokines to help relieve pain and restore the balance of inflammatory and anti-inflammatory cytokines in the joint.¹

Primary clinical use

- Osteoarthritis¹

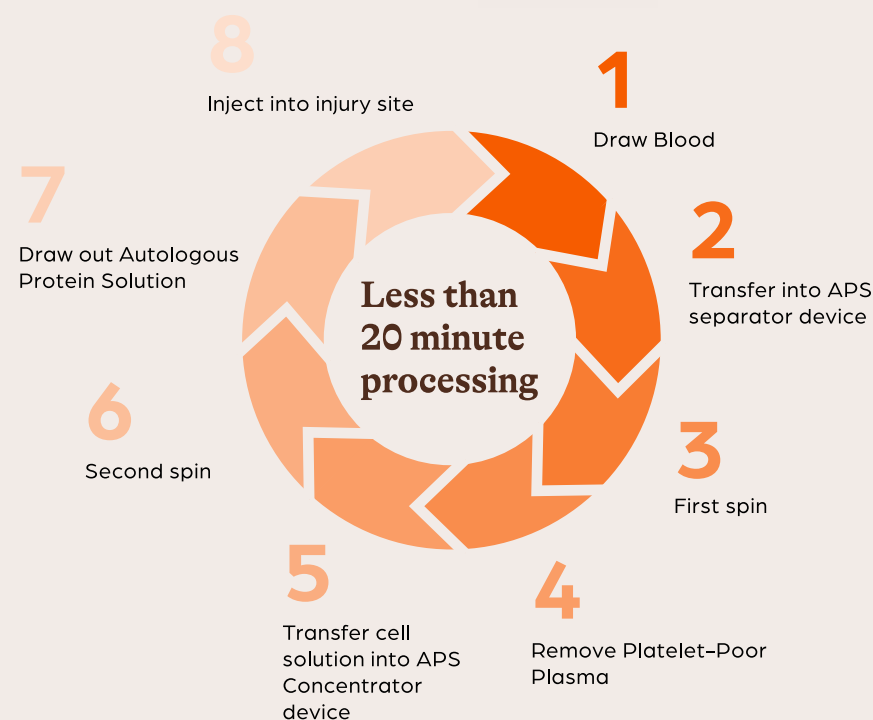
Additional Uses³

- Synovitis
- Tendonitis

Clinical Results

More than 95% of patients that were treated with an APS had **greater than 50% improvement**.⁸ When compared to a control group, the APS group saw **statistically significant ($p < 0.05$) improvements** in lameness grade, asymmetry indices of vertical peak force and range of joint motion within 14 days. And no adverse effects associated with the APS treatment were evident.^{1,8}

Pro-Stride[®]
APS



Putting platelet-rich plasma at your fingertips

Unleash the power of platelets from the horse's own blood to boost their healing process.

How does Restigen work?

In 15 minutes you can use this device to isolate a horse's Platelet-Rich Plasma (PRP) to be injected into the damaged area. When platelets become activated, growth factors are released. Additionally, this leukocyte-rich PRP provides anti-inflammatory cytokines, which play a significant role in the healing, repair and regeneration of soft and hard tissue including tendons, ligaments, muscles and bones.^{4,5}

Primary clinical use

- Tendon and Ligament Lesions⁵

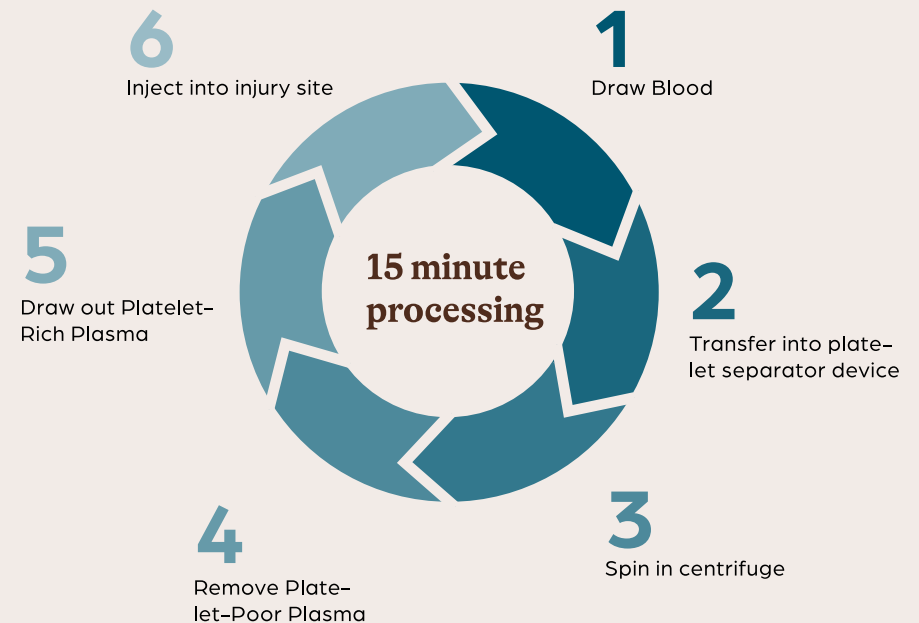
Additional Uses⁸

- Lameness
- Wound Healing

Clinical Results

Restigen PRP is an extensively clinically studied⁴ Platelet-Rich Plasma Device with considerable scientific backing. The Restigen PRP device yields about **90% of platelets at a 9-fold concentration**. More than 85% of patients that had a PRP treatment observed an **improvement of at least 50%**.^{6, 7, 8}

Restigen[®]
PRP



A concentration you can count on

Help repair injuries with the power of stem cells pulled from the horse's own bone marrow.

How does CenTrate work?

This device separates a horse's bone marrow aspirate to produce concentrated regenerative cells (stem, progenitor and blood cells) in a suspension of plasma within 15 minutes.⁹ When concentrated bone marrow aspirate is at an injury site, the cells provide the key initiation of the healing process based on the environment they're placed in.

Primary clinical use⁸

- Chronic Osteoarthritis
- Soft Tissue Injuries
- Meniscal tears

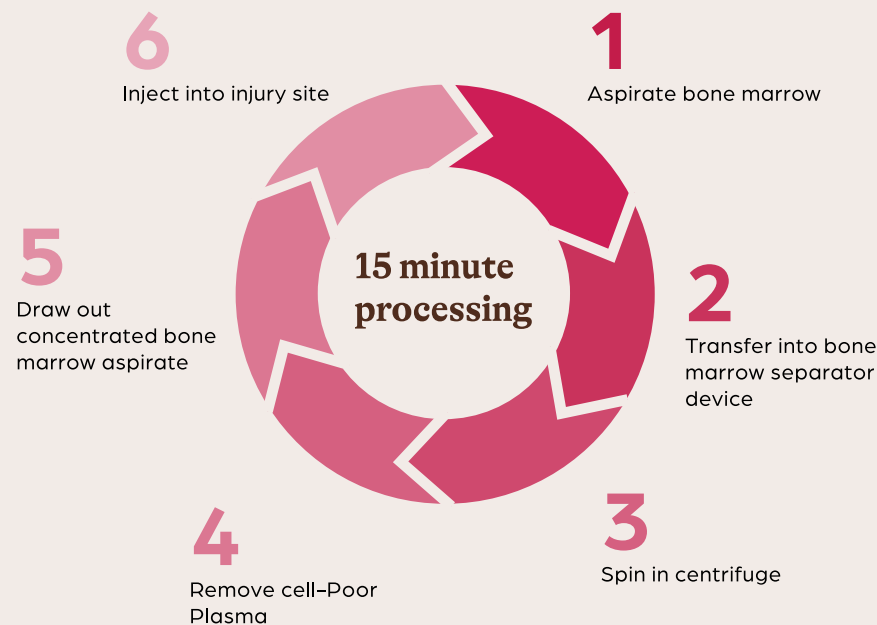
Additional Uses^{10,11}

- OCD(Osteochondritis Dissecans)
- Fracture Repair

Clinical Results

Concentrated bone marrow samples obtained with **CenTrate had a 5- to 19-fold increase** in bone marrow-derived mesenchymal stem cells, white blood cells and platelet counts.⁹

CenTrate[®]
BMA



The only centrifuge you'll ever need

Unlock powerful regenerative capabilities.

Zoetis universal centrifuge

It's the only centrifuge that works with these Zoetis devices, and it's also a reliable, multipurpose upgrade for all your sample processing needs — with conveniently available inserts to accommodate any size blood or conical tube.

- Works with Pro-Stride, Restigen and CenTrate devices
- Easily portable for stall-side convenience
- Multiple purposes like processing chemistry, coagulation, platelet-poor plasma, reproductive specimens and urine samples
- Blood and conical tubes (max g-force of 2,000 x g)
- Swinging bucket design

2-year
Manufacturer's warranty



We're always by your side

What you need, when you need it.

These devices produce a cell solution that is:

- Safe for your patients^{1,2,8}
- Natural – Provides healing properties from the horse's own body
- Clinically demonstrated to reduce pain associated with orthopedic issues¹
- Proven effective at reducing inflammation and promoting soft tissue repair⁴
- Able to manage a wide range of key clinical issues

Convenient for your practice:

- Stall side
- Portable
- Easy to use
- Fast processing in less than 20 minutes with immediate availability for use
- No incubation or culture required
- Never frozen
- Can prolong longevity of effect.¹

Serial dosing not required, which helps minimize risk to your patients and helps maximize value to the horse owner.¹



Pro-Stride®
APS
Autologous Protein
Solution System



Restigen®
PRP
Platelet Concentration Kit



Centrate®
BMA
Bone Marrow Aspirate Kit

Learn more at zoetis.com/regenmeddevices

Contact us for support at 1-888-ZOETIS-1

- For centrifuge or device diagnostic technical support, select option 5, then option 8
- For medical-related inquiries or adverse events, select option 2
- Reach out to your Zoetis Equine Specialist for sales and general questions

About Zoetis

We're the world's largest animal health company, and we're dedicated to doing what's right for horses and their caregivers. Building on more than 65 years of experience, Zoetis is committed to delivering horse care you can count on through continuous innovation across the continuum of care — predicting, detecting, preventing, and treating health and wellness issues throughout a horse's life.

Find the equipment you'll need for Zoetis Regenerative Medicine devices

	Equipment	Zoetis SKU	Pro-Stride [®] APS	Restigen [®] PRP	CenTrate [®] BMA
Base items	Restigen PRP 30 mL 6 PK	10024648		✓	
	Restigen PRP 30 mL SINGLE PK	10024647		✓	
	Restigen PRP 60 mL 6 PK	10024646		✓	
	Restigen PRP 60 mL SINGLE PK	10024641		✓	
	Pro-Stride APS 60 mL KIT 6 PK	10024651	✓		
	Pro-Stride APS 60 mL KIT SINGLE PK	10024640	✓		
	CenTrate BMA 30 mL 6 PK	10024650			✓
	CenTrate BMA 30 mL SINGLE PK	10024649			✓
	CenTrate BMA 60 mL SINGLE PK	10024645			✓
	CenTrate BMA 60 mL SINGLE PK	10024644			✓
	Centrifuge + 4 Green 60 mL Buckets/Type B Line Cord	10024633	✓	✓	✓
To process 60 mL device kit in centrifuge	60 mL Adjustable Counterbalance (Blue)	10024623	✓	✓	✓
	60 mL Solid Counterbalance (Blue)	10024635	✓	✓	✓
	Pro-Stride/APS Counterbalance (Green)	10024624	✓		
To process 30 mL device kit in centrifuge	Purple Bucket for 30 mL Device/Counterbalance**	10024625		✓	✓
	30 mL Counterbalance (Purple)	10024626		✓	✓
For Blood/Bone Marrow Draw	ACD-A Anticoagulant*		✓	✓	✓
	Heparin (1000U/mL) Anticoagulant*				✓
	Butterfly Catheter with 18ga Apheresis Needle*		✓	✓	
	11g x 4" Bone Marrow Aspirate Needle*				✓
	30 mL Luer Lock Syringe*			X (30 mL Device)	X (30 mL Device) 2X (60 mL Device)
	60 mL Luer Lock Syringe*		✓	X (60 mL Device)	
For Sample Removal	30 mL Luer Lock Syringe*		✓	✓	✓
	10 mL Luer Lock Syringe*		✓ 2x	✓	✓

*Available from your preferred distribution partner.
**Minimum of 2 required to balance centrifuge.

Centrifuge	Additional Equipment	Zoetis SKU
Replacement Item	Green Bucket for 60 mL Device	10024632
For Portability	Pelican Case	10024634
For Standard Blood Tubes	Orange Bucket – 100 mL Bucket (to hold four 3 to 10 mL blood tubes)**	10024631
For Urine, Ball or Reproductive Samples	Conical Tube Inserts**	10024639

Clinical studies, sources and references

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3. Linardi, Dodson, Moss, King, Ortved, et. al. The Effect of Autologous Protein Solution on the Inflammatory Cascade in Stimulated Equine Chondrocytes. Frontiers in Veterinary Science. March 2019.
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5. Bosch, Schie, Groot, Cadby, Lest, Barneveld, Weeren, et. al. Effects of Platelet-Rich Plasma on the Quality of Repair of Mechanically Induced Core Lesions in Equine Superficial Digital Flexor Tendons: A Placebo-Controlled Experimental Study. Journal of Orthopaedic Research. Feb 2010.
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11. Bourebaba, Röcken, Marycz, et. al. Osteochondritis dissecans (OCD) in Horses – Molecular Background of its Pathogenesis and Perspectives for Progenitor Stem Cell Therapy. Stem Cell Reviews and Reports. Feb 2019.