



PRP – Professional generation



**Professional PRP
≈ 5x PLT-concentration
quick • easy • safe**

Osteokine® ProGen – QUICK • EASY • SAFE

Consumables included

→ simple and efficient

Match 50 mL tubes

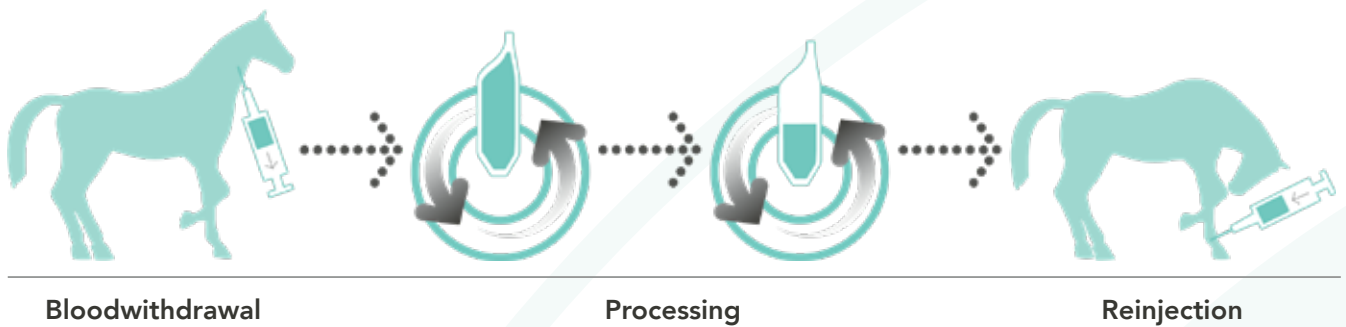
→ standard 50 mL swing out rotor

Prefilled with anticoagulant

→ 3 mL PPS citric solution

Immediate processing

→ no decanting after blood draw



1.

33 mL whole blood and anticoagulant

2.

Transfer of plasma incl. platelets

3.

Removal of excess plasma

4.

Extraction of PRP, ~5x concentrated



Osteokine®ProGen – IN COMPARISON

Product	Whole blood (mL)	PRP volume (mL)	Platelet concentration increase times baseline	WBC concentration increase times baseline	RBC concentration increase times baseline
Osteokine®ProGen¹	33	4	4.9	3.1	0.03
ACP²	15	8	1.3	0.1	n.d.
V-PET™²	55	6	3.8	1.8	n.d.
ProStride³	60	5	1.6	12.1	6.8

¹ Orthogen AG R&D department

² Hessel et al, *Equine autologous platelet concentrates: A comparative study between different available systems*. Equine Veterinary Journal 2014, ISSN 0425-1644 DOI: 10.1111/evj.12288

³ Bertone et al, *Evaluation of a single intra-articular injection of autologous protein solution for treatment of osteoarthritis in horses*. AJVR, Vol 75, No. 2, February 2014

Osteokine®ProGen – PROFESSIONAL PRP

The special anatomy of the Osteokine®ProGen devices facilitates secure separation of Platelets from anti-coagulated venous whole blood. A double spin technology using the Osteokine®ProGen kit generates 4 mL of true PRP (ø 4.9 x baseline PLT count). Platelets carry Growth Factors and other cytokines that are released from their alpha granula upon activation at the site of injection.

Osteokine®ProGen – PRP THERAPY

Indications

- Tendinopathies
- Muscle strains
- Wounds
- Osteosynthesis

Characteristics

- Constant volume
- High platelet concentration
- No Erythrozytes

Patient's / Owner's benefits

- Better regeneration
- Less scar tissue
- No adverse reactions
- Better performance
- Improved quality of life

