

《New product》

LR-PRP Kit

(Veterinary Regenerative Medicine Products)

All-in-one kit for local tissue repair !

PRP therapy is a regenerative medicine that utilizes the ability of growth factors



《ACCELERATED BONE HEALING OF FRACTURES IN DOGS》



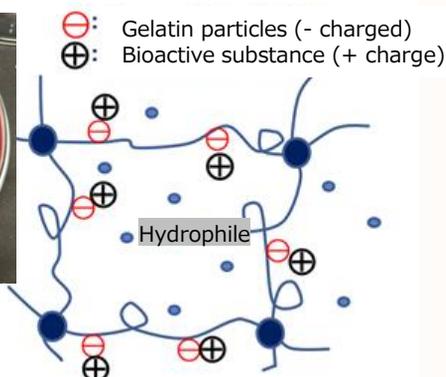
《INTRACTABLE SKIN ULCERS IN CATS》



《INTRACTABLE CORNEAL ULCERS IN DOGS》

【Features of the LR-PRP Kit】

1. The product uses a bioabsorbable gelatin hydrogel that enables sustained release of growth factors in the body.
2. This product can be used to prepare LR-PRP gel in approximately 2 hours after blood collection.
3. This product can be stored at room temperature.



《Bioabsorbable gelatin hydrogel》

·This product uses a bioabsorbable gelatin hydrogel as a sustained-release DDS base. This product uses gelatin hydrogel as a sustained-release DDS base agent. The gelatin is cross-linked to make it water insoluble, and retains bioactive substances through electrostatic interaction with the gelatin. The gelatin hydrogel retains bioactive substances through electrostatic interaction with gelatin. When implanted in vivo, the substrate is degraded by degradative enzymes such as collagenase secreted from the tissue and other degradative enzymes secreted from the tissue, and the bioactive substance is gradually released along with the degradation of the gelatin. The bioactive substances are gradually released as the gelatin decomposes.

PRP, or Platelet Rich Plasma, is a platelet-rich plasma fraction component obtained by centrifuging blood.

PRP therapy is a regenerative medicine that maximizes the animal's natural healing, tissue repair, and regeneration abilities by utilizing the tissue repair capabilities of the platelet growth factors contained in PRP.

In addition, since the treatment uses only the animal's own blood components, its greatest advantage is that it is unlikely to cause an immune reaction. PRP therapy can be widely applied in ophthalmology, dermatology, and other fields in addition to the promotion of bone fracture healing.

LR-PRP is PRP with high white blood cell content, and its main feature is to promote tissue regeneration through remodeling because it contains high levels of growth factors such as PDGF and VEGF that promote angiogenesis.

The "LR-PRP Kit" is an all-in-one kit that includes everything needed to prepare LR-PRP preparations for use in the acute phase as well as sustained-release LR-PRP gel.

【LR-PRP Kit Contents】

Instruction Manual (Preparation Procedure)

- ① Vacuum blood collection tube (with anticoagulant) for 4.5 mL × 2
- ② 15 mL centrifuge tubes × 3
- ③ Catheterized needle × 2
- ④ Gelatin powder (100 mg) × 1
- ⑤ Glass Petri dish × 1
- ⑥ Liquid B (400 μL) × 1 bottle



【Diseases that may benefit】

	LR-PRP	LR-PRP regulated substances
Characteristics	PRP high in both platelets and white blood cells	PRP containing only PRP growth factors without white blood cells, fibrin, etc.
Expected Effects	Has pro-inflammatory effects, activates remodeling, and promotes tissue regeneration	It has a weaker inflammation-inducing effect than LR-PRP and promotes tissue regeneration by stimulating remodeling.
Diseases for which efficacy is expected	<ul style="list-style-type: none"> • Accelerated healing of fractures • Intractable dermatitis • Jawbone regeneration due to severe periodontitis • Intractable corneal ulcers • Severe osteoarthritis • Osteonecrosis of the femoral head (Legg-Perthes) • Bedsores • Chronic tendonitis 	<ul style="list-style-type: none"> • Arthritis (acute phase) • Cruciate ligament rupture (acute phase)