

## Features / Benefits

- Recommended for injuries to the tendons, ligaments, muscles and joints
- Concentration of autologous growth factors in blood uses the body's own ability to regenerate and heal itself
- No side effects as the body's own healing mechanisms are employed
- Quick and efficient procedure utilizing a small amount of blood.
- ACP removes White Blood Cells which have been shown to have a detrimental effect on the healing process.<sup>1,2</sup>

### References

1. Scott A, Khan KM, Roberts CR, Cook JL, Duronio V., "What do we mean by the term "inflammation"? A contemporary basic science update for sports medicine," Br J Sports Med, 2004; 38(3): 372-80.
2. Diegelmann RF, Evans MC, "Wound healing: an overview of acute, fibrotic and delayed healing," Front Biosci, 2004; 9: 283-9.



[www.arthrexvetsystems.com](http://www.arthrexvetsystems.com)

European Sales Office:  
Augustinusstr. 11c, 50226 Frechen  
Germany  
Tel: +49-2234-92 85-0  
Fax: +49-2234-92 85-77

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VLB1000 Vers. A

# Arthrex ACP

New treatment methods for injuries to the tendons, ligaments, muscles and joints



## Effective healing

Helping the body to heal and regenerate tissue during treatment can be both simple and safe. Using an animal's own blood growth factors is one way to do this. ACP (Autologous Conditioned Plasma) contains these active agents in a concentrated form and is injected into the site of the injury in order to promote healing.

### When can ACP help?

ACP can promote the healing process for most injuries to the musculoskeletal system, including ligaments and tendons. In addition, ACP can aid the healing of muscular injuries, tendonitis and non-healing wounds. Furthermore, in cases involving joint damage, treatment can be more effective with ACP.

The healing process is accelerated and makes pain-free movement become reality.



## The healing process

The healing of injured tissue involves a series of both complex and precisely regulated endogenous processes, which are regulated by proteins in blood. Many of these proteins are released from platelets, also known as thrombocytes.

Thrombocytes are activated when an injury occurs. They are then able to release growth factors at the site of the injury and start of the healing process.

The interest shown by the medical profession in concentrating these active agents from animal blood and using them at the site of the injury has been growing for many years. The development of new technologies to support such healing processes has been growing continuously in recent years.



## How does ACP therapy work?

A small amount of blood, similar to that for a blood test, is taken from the animal's vein. Using a special separation process, the portion of the blood which contains endogenous regenerative components is acquired.

The solution is injected in or around the tendon, as well as in the affected joint. This separation is performed using a specially developed double syringe system. This innovative double chamber system ensures the sterile extraction and injection of the growth factors, thus offering maximum safety.

