



Transforming the overall arthroscopic surgery experience for patients and their surgeons while its bioactive and biocompatible properties successfully provides supportive effects for sealing, healing and regeneration of ligaments, tendons and cartilage.



ArthroZheal® is designed to improve patient outcomes through fast recovery¹.

ArthroZheal® is a autologous, biocompatible and bioactive matrix improving regeneration of cartilage, ligaments, menisci, tendons.

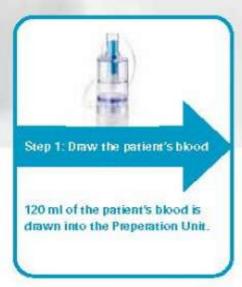
ArthroZheal® is prepared and applied using the Vivostat® System



The Vivostat® System is the first and only system for on-site preparation and application of the fully autologous platelet rich bioactive matrix – ArthroZheal®.

- The Vivostat[®] Processor Unit automatically prepares the bipactive matrix from 120 ml of the patient's own blood, in a well-defined and reproducible dose.
- ArthroZheal® is easily applied using the Vivostat® Applicator Unit with the arthroscopic handle specifically designed with and for orthopaedic surgeons. Furthermore, the Vivostat® Co-Delivery system makes it possible to simultaneously co-apply BMAC, stem cells, chondrocytes or medications (i.e. antibiotics) alongside ArthroZheal®.

Three steps to prepare and apply







ArthroZheal® – the only product with immediate polymerization both in dry and in the water/saline environment



ArthroZheal® provides fast sealing and hemostasis1,3

Arthro**Zheal®** induces immediate polymerization and great adhesion – remaining where applied even on vertical and moist surfaces²- supporting positioning of grafts. Arthro**Zheal®** improves control of bleeding and reduces hemarthrosis³.

ArthroZheaf may offer control of potential contamination through its anti-inflammatory and antimicrobial platelet properties.



ArthroZheal® supports regeneration and healing of ligaments, tendons, menisci, cartilage and bone

Through a combination of fibrin matrix and a sustained release of high concentrations of growth factors Arthro**Zheat**[®] improves regeneration and healing of tissue (cartilage, ligaments, menisci, tendons and bone) and support osteo-ligamentization, osteo-integration and graft maturation³.



ArthroZheal® is easy to apply - also during arthroscopy with saline inside the joint cavity

ArthroZheal® is easy to apply – even in water environment and can be used during arthroscopy with saline inside the joint cavity. The arthroscopic handle is specifically designed with and for orthopaedic surgeons.



Sealant and hemostat - less hemarthrosis

Regenerative product - graft maturation, osteoinduction

Scaffold - membrane

Platform for antibiotic applications (Co-Delivery)

Platform for stem cells application (Co-Delivery)

ArthroZheal® Autologous bioactive matrix



Product and order information

Code	Product description	
AZ 500	Arthro Zheal® Set	
AZ 520	Arthro Zheal[®]Set - Endoscopic	
AZ 506	Arthro Zheal® Preparation Kit	
AZ 220	Arthroscopic Handle	
PRO 800	Processor Unit	
APL 400	Applicator Unit	
APL 404	Applicator Unit Co-Delivery	
VS 222	Foot Switch to be used with APL 400/404	

References

1. Starpas G. Arthrocheat, a Bioactive Fibrin Scafford for Joint Cartilage, Tendon and Soft Tissue Lesions. Latest Results and Application Perspectives. Surg Tech Int 2022 (41) 2. Kjærgard HK, et al. Comparative kinetics of polymerization of three fibrin sealants and influence on timing of tissue adhesion. Thrombosis Research; 96: 221-228. 3. Beyzadeoglu T. Pehlivanoglu T. Yildirim K. Buldu H. Tandogan R. Tuzun U. Does the application of patelet-rich fibrin in anterior cruciate ligament reconstruction enhance graft healing and maturation? A Comparative Mifil study of 44 cases. Orthop J. Sports Med. 2020; 8(2):2325967120902013. 4. Bayer A. et al. Platelet-released growth factors induce the antimicrobial pepticle human beta-defensin-2 in primary keratinocytes. Exp. Dermatol. 2016; 25: 450-465. 5. Knaff D. et al. In-vitro release pharmacokinetics of amiliacin, teicoplanin and polyhexanide in a platelet rich fibrin—layer (PRP)—a laboratory evaluation of a modern, autologous wound treatment. PLoS ONE 12(7): e0181090. https://doi.org/10.1371/journal.pone.0181090.6.Tohidnezhad M. et al. Thrombocytes are effectors of the innate immune system releasing human beta defensin-35. Injury, Int. J. Care Injured 42 (2011): 682-686.

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