Artelon®

DYNAMIC MATRIX® TECHNOLOGY

Our core technology is uniquely effective by providing both STRENGTH & ELASTICITY. These critical features protect the repair and restore kinematic motion, which in turn optimizes tendon and ligament repair.

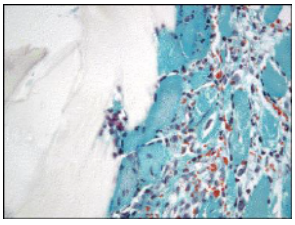
RESTORE STABILITY AND NATURAL MOTION

Artelon's Dynamic Matrix® Technology has been shown to significantly increase the strength of a repair without increasing tissue stiffness.[1] These characteristics allow for immediate stabilization while permitting natural motion.

RESIST NECROTIC BREAKDOWN

Artelon's Dynamic Matrix® Technology resists necrotic breakdown during the early phases of healing, maintaining 90% of its mechanical integrity through the first year.[5] Furthermore, histological studies have illustrated the material to be less biologically reactive than the common biomaterials titanium, polystyrene, and resorbable suture.[6]

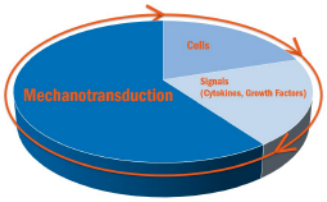
More Creep Resistance Than Allograft[4]



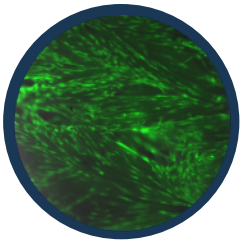
Histology demonstrates a minimal biological reaction to the Dynamic Matrix (white).

REGENERATE NATURAL TISSUE THROUGH LOAD-SHARING

Artelon's Dynamic Matrix® Technology promotes load sharing with native tissue, inducing biological signaling responsible for tissue regeneration.[7] The matrix is quickly integrated into[8] and replaced by the host tissue over 4-5 years.[5]



Mechanotransduction-Driven Biological Healing



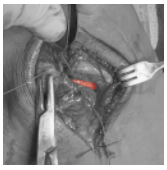
Intimate integration with Host Tissue

Augmented ATFL @ 6 mos Post-op

Regenerated Restoration of Tissue

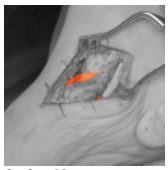
ADVANCED CONNECTIVE TISSUE SOLUTIONS


Achilles


ATFL

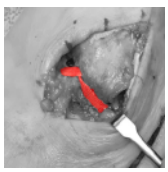

Peroneus Brevis


Plantar Plate

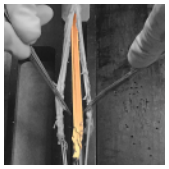

Spring Ligament


Superficial Deltoid


Posterior Tib Tendon


ATFL + CFL

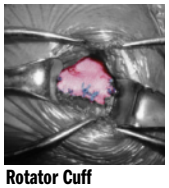

Peroneus Longus


ACL Augmentation


Patellar Tendon


MPFL


Distal Biceps Tendon


Rotator Cuff

PRODUCT LISTING

Part #	Description	Size
31050	FLEXPATCH	3 x 4 cm
31048	FLEXPATCH	4 x 6 cm
31049	FLEXPATCH	6 x 9 cm
31051	FLEXBAND	.3 x 8 cm
31052	FLEXBAND	.3 x 16 cm
31059	FLEXBAND	.3 x 32 cm
31053	FLEXBAND	.5 x 8 cm
31054	FLEXBAND	.5 x 16 cm
31057	FLEXBAND	.5 x 32 cm
31055	FLEXBAND	.7 x 8 cm
31056	FLEXBAND	.7 x 16 cm
31058	FLEXBAND	.7 x 32 cm
41051	FLEXBAND Plus	.3 x 8 cm
41052	FLEXBAND Plus	.3 x 16 cm
41053	FLEXBAND Plus	.5 x 8 cm
41054	FLEXBAND Plus	.5 x 16 cm
41057	FLEXBAND Plus	.5 x 32 cm
41055	FLEXBAND Plus	.7 x 8 cm
41056	FLEXBAND Plus	.7 x 16 cm

Kits and Accessories

51004	FLEXBAND Solo Kit
71016	FLEXBAND Multi Kit (16cm FLEXBAND)
71004	FLEXBAND Multi XL Kit (24cm FLEXBAND)
81001	FLEXBAND HEX Anchor 3.85 mm w/ Driver
91001	FLEXBAND Free Anchor 3.85 mm
91002	FLEXBAND Free Anchor 5.0 mm
91003	FLEXBAND HEX Free Anchor 3.85mm
91004	FLEXBAND HEX Free Anchor 5.0mm
61015	4.5 Cannulated Drill Bit
61018	4.25 Pilot Tip Drill Bit w/ Tissue Protector
61012	4.5 Pilot Tip Drill Bit w/ Tissue Protector

SCIENTIFIC BACKGROUND
CLINICAL INDICATIONS
PATIENT EXPERIENCES

Found at:
ARTELON.COM

REFERENCES
1. Gersoff WK et al. J Knee Surg. 2018 Apr 27
2. Steinmann et al. Arthroscopy (2006) Jul; 22(7): 700-9
3. Weiler et al. Am J Sports Med (2001) 26(6): 751-761
4. Barber FA. J Arthroscopy (2009) Nov; 25 (11):1233-9
5. Data on File.
6. Gretzer et al. J Biomater Sci, Polymer Ed, (2012) 17:6, 669-687
7. Galloway et al. J Bone Joint Surg Am. (2013) Sep 4; 95(17): 1620-8
8. Liljensten et al. J Biomater Sci: Mater in Medicine. (2002) 13: 351-359

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