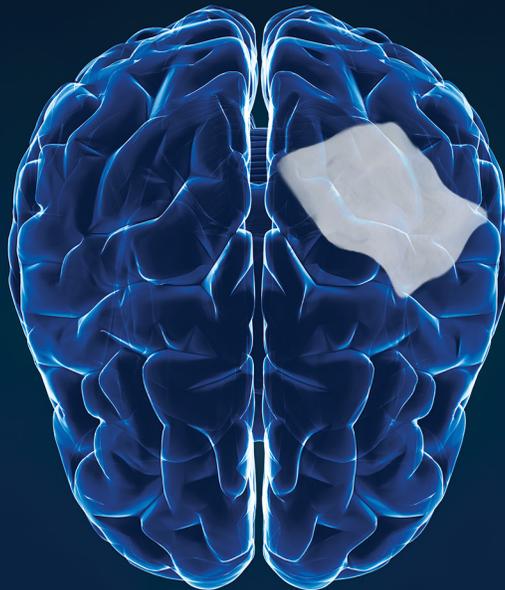
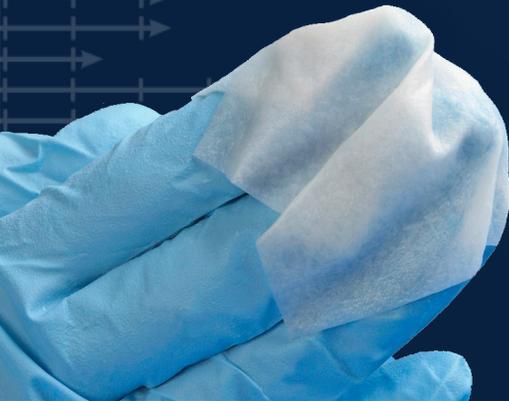


DuraMatrix-Onlay®

Collagen Dura Membrane



- Highly purified type I collagen
- Conformable
- Implantable without sutures
- Watertight
- Controlled resorption for effective dural repair
- Excellent handling characteristics



DuraMatrix-Onlay® is a conformable and resorbable membrane matrix engineered from highly purified type I collagen. It is indicated for use as an onlay (non-sutured) collagen membrane for the repair of the dura mater. DuraMatrix-Onlay® requires only 30 seconds of rehydration with sterile saline prior to implantation and can be cut in either the dry or hydrated state. It has a thickness similar to that of native dura, conforms to the contours of the brain and does not require suturing. Minimal tension sutures may be used if desired. It facilitates healing with balanced in vivo resorption of the implant and regeneration of host tissue. DuraMatrix-Onlay® is supplied sterile in a double peel pouch and can be stored at room temperature.

Catalog No.	Dimensions	
	Inches	cm
CDSL11	1 x 1	2.5 x 2.5
CDSL13	1 x 3	2.5 x 7.5
CDSL22	2 x 2	5 x 5
CDSL33	3 x 3	7.5 x 7.5
CDSL45	4 x 5	10 x 12.5
CDSL57	5 x 7	12.5 x 17.5



Collagen Matrix, Inc.
Science, Technology, Innovation

DuraMatrix®

Collagen Dura Membrane

- Implantable with or without sutures
- Flexible, yet strong

DuraMatrix® is the original collagen membrane designed to optimize conformability and strength. DuraMatrix® led the way for the development of the highly conformable DuraMatrix-Onlay® membrane. Ideal for implantation with sutures (or without), DuraMatrix® is strong and adapts nicely to the defect.



Catalog No.	Dimensions	
	Inches	cm
CDSM11	1 x 1	2.5 x 2.5
CDSM13	1 x 3	2.5 x 7.5
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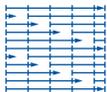
Summary of Rabbit Duraplasty Efficacy Study¹

Grossly, at 12 weeks, there was negligible adhesion of the implants to the underlying cortex of the brain, and the dural defects were completely or nearly completely repaired. There was complete or nearly complete incorporation of DuraMatrix® with the native dura at the edges of the defects. No white blood cells were found in the cerebral spinal fluid at 12 weeks implantation.

Microscopically, at 12 weeks, there was approximately 40% resorption of the implant which was balanced with the regeneration of new tissue. Evaluation of gross and microscopic data for sutured and non-sutured DuraMatrix® at 2, 7, and 12 weeks showed no significant difference. Microscopically, in agreement with gross observations, DuraMatrix® exhibited negligible adhesion to the cortex, but good anchorage to the native dura at the edges of the defects. By 12 weeks, host fibroblasts had invaded the implants and produced new collagen as DuraMatrix® resorbed. Neovascularization of the dura substitute was evident. Inflammatory changes or foreign body responses were minimal.

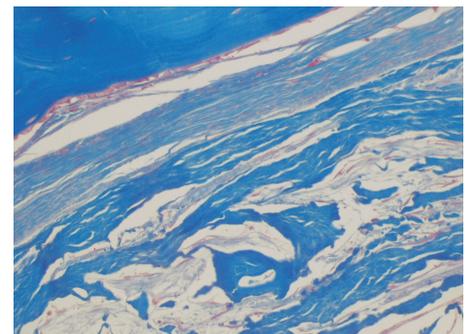
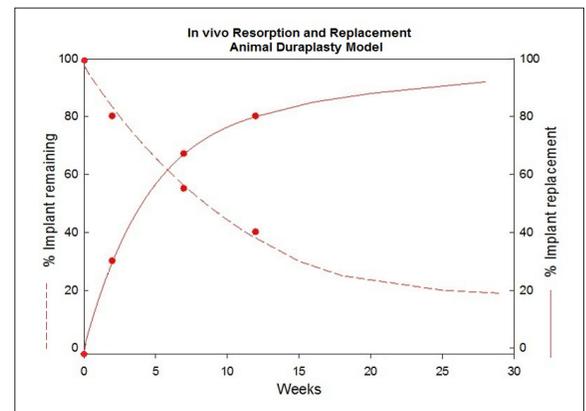
¹Ulreich JB, Hansen P, White MJN, Way D, French MH, Ho WY, Fryburg K, Hamilton AJ, Yuen D, and Li ST, 7th World Biomaterials Congress, 2004, p. 1008

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Collagen Matrix, Inc.
Science, Technology, Innovation

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Histological view of DuraMatrix® partially resorbed and being replaced with new tissue, 12 weeks, Trichrome, 40x.