NovoSorb®

BTM

A unique synthetic biodegradable dermal matrix.

Designed to facilitate complex wound closure via a scaffold support for cellular activity, and rapid cell ingrowth due to high porosity.

Indicated for full or deep partial thickness burns and wounds, surgical and reconstructive wounds and traumatic wounds.

OPEN CELL MATRIX

The 2 mm bioabsorbable matrix architecture, breaks a macro wound into a series of interconnected micro wounds that the body can readily heal.

Photomicrograph

FENESTRATED SEALING MEMBRANE

The outer sealing membrane limits evaporative moisture loss, provides a barrier to outside bacteria[1,2] and temporarily closes the wound.[2,3]

PolyNovo®

Healing. Redefined.

NovoSorb® BTM Advantages

Robust in the presence of infection[2,4]

Generation of a neodermis over exposed tendons and bones[1,4,5]

Dermal repair to support limb salvage[6]

NovoSorb® BTM Applications

Necrotising fasciitis – neck[7]

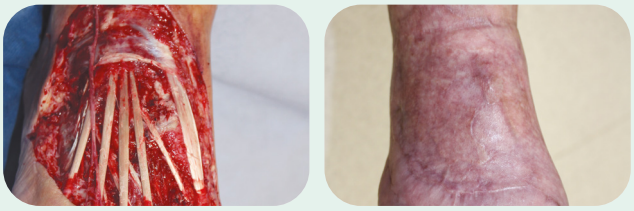
Results at Day 77 showing full range of movement and lack of contraction. Notice the natural contouring under the chin.

Day 77 post BTM

Over tendon[8]

Over exposed tendon range of motion restored after trauma to dorsal foot.

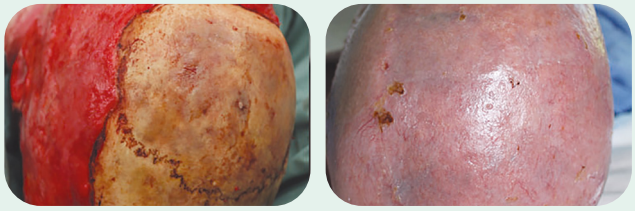
Day 316



Over bone[9]

BTM was applied to the calvarium.

Day 115



NovoSorb® BTM Product Details

Product Code	Description	Sold as
BTM-0505	NovoSorb® BTM (5cm x 5cm)	**Each**
BTM-1010	NovoSorb® BTM (10cm x 10cm)	**Each**
BTM-1020	NovoSorb® BTM (10cm x 20cm)	**Each**
BTM-2040	NovoSorb® BTM (20cm x 40cm)	**Each**

Always read the label and follow the directions for use

For more information, contact your PolyNovo representative.

PolyNovo®
Healing. Redefined.

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Discover more:
PolyNovo.com

References: 1. Wagstaff MJD, Schmitt BJ, Coghlan P, Finkemeyer JP, Caplash Y, Greenwood JE. A biodegradable polyurethane dermal matrix in reconstruction of free flap donor sites: a pilot study. ePlasty 2015; 15:102–18. **2.** Greenwood JE, Dearman BL. Comparison of a sealed, polymer foam biodegradable temporizing matrix against Integra® dermal regeneration template in a porcine wound model. J Burn Care Res. 2012; 33:163-73. **3.** Dearman BL, Li A, Greenwood JE. Optimization of a polyurethane dermal matrix and experience with a polymerbased cultured composite skin. J Burn care Res. 2014; 35(5): 437-48. **4.** Greenwood JE, Schmitt BJ, Wagstaff MJD. Experience with a synthetic bilayer Biodegradable Temporising Matrix in significant burn injury. Burns Open. 2018;2(1):17-34. **5.** Wagstaff MJD, Salna IM, Caplash Y, Greenwood JE. Biodegradable Temporising Matrix (BTM) for the reconstruction of defects following serial debridement for necrotising fasciitis: A case series. Burns Open. 2019; 3:12–30. **6.** Guerriero FP, Clark RA, Miller M, Delaney CL. Overcoming barriers to wound healing in a neuropathic and neuro-ischaemic diabetic foot cohort using a novel bilayer biodegradable synthetic matrix. Biomedicines. 2023; 11(3):721 **7.** Wagstaff MJD, Caplash Y, Greenwood JE. Reconstruction of an anterior cervical necrotizing fasciitis defect using a biodegradable polyurethane dermal substitute. Eplasty. 2017; 17:29-36. **8.** Damkat-Thomas L, Greenwood JE, Wagstaff MJD. A synthetic Biodegradable Temporising Matrix in degloving lower extremity trauma reconstruction: A case report. PRS – Global Open. 2019; 02 April; 1-4. **9.** Greenwood JE, Wagstaff MJD, Rooke M, Caplash Y. Reconstruction of extensive calvarial exposure after major burn injury in 2 stages using a biodegradable polyurethane matrix. Eplasty. 2016; 16:151-60.

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