

# Meeting the Challenge of Complex Wound Healing



Neox® 1K is a cryopreserved ultra-thick human amniotic membrane allograft derived from umbilical cord that supports the management of severe and complex non-healing DFUs complicated with osteomyelitis.



The successful management of complex diabetic wounds, complicated with damaged, infected tissue down to the bone, tendon or muscle, is one of the most challenging situations for any wound physician. With few therapy options available, these patients are often recommended for amputation.

Current evidence indicates positive outcomes with the use of Neox 1K for the **management of Wagner grade 3-4 DFUs with osteomyelitis.**<sup>1,3</sup>

	Neox UC <sup>1</sup> Caputo DPM 2016	Neox UC <sup>2</sup> Raphael DPM 2016	Neox UC <sup>3</sup> Raphael DPM 2017	AM+Chorion <sup>5</sup>	Placenta <sup>6</sup>	AM+Chorion <sup>7</sup>
# Patients/ # Wounds	31/33	29/32	13/14	63/63	31/31	13/13
Indications	<b>Complex DFU With Osteomyelitis</b>	DFU	<b>Complex DFU With Osteomyelitis</b>	DFU	Complex DFU <b>WITHOUT</b> Osteomyelitis	DFU
Avg Wound Area	15.6 cm <sup>2</sup>	10.6 cm <sup>2</sup>	33.2 cm <sup>2</sup>	5.2 cm <sup>2</sup>	14.6 cm <sup>2</sup>	2.6 cm <sup>2</sup>
Healing Rate	<b>78.8%</b> Avg: 16 weeks	<b>87.5%</b> Avg: 13.8 weeks	<b>100% (+NPWT*)</b> Avg: 24 weeks	Week 24: 47%	Week 16: 59%	Week 6: 92%
Avg # Applications	<b>1.24</b>	<b>1.68</b>	<b>3.2</b>	3.5	9.0	N/A
Wagner Grade	Wagner 3-4	Wagner 1-4	Wagner 3-4	N/A	Wagner 2	Wagner 1

\*Negative pressure wound therapy (NPWT)

As an adjunct to standard therapy, Neox 1K has shown improved healing in more complex wounds versus competitive amniotic allografts.

High closure rates in even the most severe wounds<sup>1-3</sup>

Fewer applications with increased longevity in the wound bed<sup>1-3</sup>

Expedited functional recovery while reducing the cost of care<sup>1-4</sup>

# Management of Wagner Grade 3-4 DFUs is Challenging.

## Neox 1K provides a more persistent allograft designed to retain the critical biology of human birth tissue compared to dehydrated amnion/chorion products.<sup>8-11</sup>

Other birth tissue allografts are often processed by heat dehydration, which may affect the properties of the tissue and potential to heal the wound.<sup>8</sup> BioTissue utilizes its proprietary CryoTek® preservation process, derived from over 36 years of research into the potential healing benefits of birth tissue, to deliver the key innate properties of the native tissue to the wound.<sup>9-11</sup>



### As a cryopreserved ultra-thick human amniotic allograft, Neox 1K provides the wound clinician:

Two-year shelf life in standard refrigerator or deep-freezer

Minimal thawing requirements

Easy to fenestrate or cut into strips to reduce waste and cost of treatment

Can be used in conjunction with Negative Pressure Wound Therapy (NPWT)



An additional option for wound clinicians is the Neox RT human amniotic allograft which is preserved by our proprietary SteriTek® preservation process. The tissue is cleaned, processed, and packaged in a manner similar to CryoTek, but is terminally sterilized using gamma irradiation yielding a shelf-stable product utilizing saline as its storage medium allowing a fully hydrated product that can be stored at room temperature.

Neox may be fixed/secured according to clinical preference/LCD guidance (Steri-Strips, sutures or staples may be used). When cut into strips, edge-to-edge coverage is not needed.

Neox 1K Cryopreserved Ultra-Thick Amniotic Membrane Allograft		Neox RT Room Temperature Amniotic Membrane Allograft		Neox 100 Cryopreserved Amniotic Membrane Allograft	
Product Code	Size	Product Code	Size	Product Code	Size
NX-10-2010	2.0 x 1.0 cm	NX-UR-2010	2.0 x 1.0 cm	NX-02-2020	2.0 x 2.0 cm
NX-10-2020	2.0 x 2.0 cm	NX-UR-2020	2.0 x 2.0 cm	NX-02-3030	3.0 x 3.0 cm
NX-10-3020	3.0 x 2.0 cm	NX-UR-3020	3.0 x 2.0 cm	NX-02-4040	4.0 x 4.0 cm
NX-10-3030	3.0 x 3.0 cm	NX-UR-3030	3.0 x 3.0 cm	NX-02-7070	7.0 x 7.0 cm
NX-10-4030	4.0 x 3.0 cm	NX-UR-4030	4.0 x 3.0 cm		
NX-10-6030	6.0 x 3.0 cm	NX-UR-6030	6.0 x 3.0 cm		
NX-10-8030	8.0 x 3.0 cm	NX-UR-8030	8.0 x 3.0 cm		

1. Caputo WJ et al. Wound Repair Regen. 2016; 24: 885-93.  
 2. Raphael A. J Wound Care. 2016; 25 Suppl 7: S10-7  
 3. Raphael A, Gonzales J. J Wound Care. 2017; 26: S38-S44.  
 4. Voigt J et al. Value Health. 2019; 22: S148-S9.  
 5. Kirsner RS et al. Wound Repair Regen. 2015; 23: 737-44.  
 6. Frykberg RG et al. Int Wound J. 2017 Jun;14(3):569-577.

7. Zelen CM, et al. Int Wound J 2013; 10:502-507.  
 8. Cooke M et al. J Wound Care. 2014; 23: 465-76.  
 9. He H et al. J Biol Chem. 2009; 284(30): 20136-20146.  
 10. He H et al. J Biol Chem. 2013; 288(36):25792-25803.  
 11. Zhang S et al. J Biol Chem. 2014;289(19):13531-13542.