











XX-PMPD-06-24

Wound Bed Preparation Pathway

Version 4. For review July 2027.

Wound Bed Preparation promotes wound healing¹. Over 90% of chronic wounds contain a biofilm², consensus recommends that all open wounds should be treated as containing biofilm1. Devitalised tissue (slough and necrosis) are frequency present in chronic wounds and are associated with the presence of biofilm³. Outcomes indicating wound bed preparation progression reduce slough⁴, exudate⁴ and infections⁵.



CLEANSE - Prontosan Solution

TREATMENT OBJECTIVES:

Remove debris. Disrupt biofilm. Prepare for debridement.



DEBRIDE

TREATMENT OBJECTIVES:

Remove biofilm and to lift and remove debris and slough.



PREVENT - Prontosan Gel X

TREATMENT OBJECTIVES:

Prevent biofilm reformation. Minimise complications. Continued cleansing effect.

Product Description	Size	Product Code
Prontosan® Solution	40 ml ampoule 350 ml bottle	400484 400403
Prontosan® Debridement Pad	Pack of 3 Pack of 10	3908456 3908457
Prontosan® Gel X	50 g tube 250 g tube	400517 400508

Please refer to the instructions for use for all products for contraindications.

B. Braun Medical Ltd | Thorncliffe Park | Sheffield | S35 2PW

RED FLAG: Do not undertake wound bed preparation on any dry stable eschars in the lower extremity related to ischemia/gangrene Acute Wound - Trauma or Surgical **Chronic Wound - Granulating** Chronic Wound - Slough Chronic Wound - Local/Spreading Infection Soak/Cleanse Soak/Cleanse Soak/Cleanse **Irrigate Wound** 5 - 10 min soak 10 - 15 min soak 0 - 5 min soak Debride (24/7) Consider Prontosan® Gel X APPLY DRESSING AS PER THE WOUND CARE PATHWAY AND ASSOCIATED PATHWAYS. REVIEW AT EACH DRESSING CHANGE. If the named product on this pathway is not available, a temporary second line product is available to use. This can be found within the main text of the Doncaster Wide Wound Care Formulary Document.

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- 1. Murphy C, Atkin L, Dissemond J, Hurlow J, Tan YK, Apelqvist J, James G, Salles N, Wu J, Tachi M, Wolcott R. Defying hard-to-heal wounds with an early antibiofilm intervention strategy: 'wound hygiene'. J Wound Care. 2019 Dec 2;28(12):818-822.
- 2. Attinger C, Wolcott R. Clinically Addressing Biofilm in Chronic Wounds. Adv Wound Care (New Rochelle). 2012 Jun;1(3):127-132.

- 3. Percival SL, Suleman L (2015) Slough and biofilm: removal of barriers to wound healing by desloughing. J Wound Care 24(11):498-510.
- 4. Valenzuela A, Perucho N. Effectiveness of a 0.1% polyhexanide gel. Rev ROL Enf 2008; 31(4):247-252

Developed by the Skin Integrity Team 2017, reviewed March 2024 as part of the Doncaster Wound Care Alliance in partnership with B. Braun Medical Ltd.

5. Vernon T, Moore K, Collier M. Development and integration of a wound cleansing pathway into clinical practice. Br J Nurs. 2021 Nov 2;30(Sup20):S18-S26. doi: 10.12968/ bjon.2021.30.Sup20.S18. PMID: 34781765.

Click here to see the Prontosan® System User Guide