

UCS™ for Wounds



Only a clean wound will go on to heal

Prevent chronicity and potential biofilm development by using UCS with its unique properties as your wound bed management strategy.

Biofilms are communities of microbes and bacteria coexisting and preventing wound healing. They form 'scaffolding' and protect their environment from elements that could otherwise destroy them (eg antibiotics/antimicrobials). Slough and devitalised tissue is a great source of nourishment to biofilm – therefore it needs to be removed.



UCS is the only debridement product that offers single application treatment combining active solution with physical debridement.

See for yourself ...



Fig 1. Chronic, sloughy wound. 1 UCS cloth in less than 5 minutes.



Fig 2. Comfortably and without trauma, cleans the wound bed.

The 4 actions of UCS

- 1) Poloxamer 188 - deep cleans, breaks down biofilm scaffolding, removes necrotic tissue - allowing better penetration of other topical treatment such as antibiotic or anti-microbial preparations. Prevents reformation of biofilm due to its lasting effect. Shown to aid healing at cellular level and is not damaging to healthy cells. (Percival 2019, et al).
- 2) Allantoin - is a known keratolytic (softens hard, dry hyperkeratotic skin) and continues to work after debridement with UCS and helps to improve skin integrity.

4 actions of UCS (continued)

See the action of the surfactant and keratolytic -

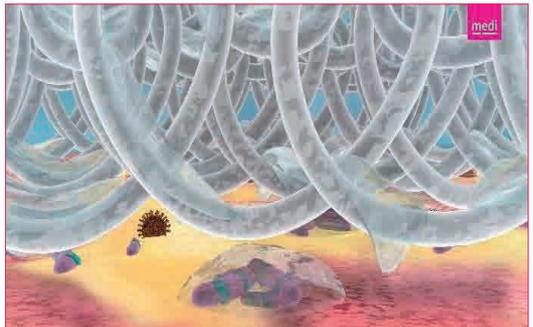


Fig 3. Dry flaky skin



Fig 4. After 1 UCS Cloth in under 5 minutes.

- 3) Aloe Barbadensis - gentle moisturiser well known for its health benefits.
- 4) Unique loop technology and solution contained within makes it the ideal product to manage wound care debridement requirements.



Don't just take our word for it -

SN Amanda from Shrewsbury: 'effective debridement achieved and patients are able to tolerate the soft material. It is so quick and easy to use and I have had a lot of success with it'.

What did patients say?

- 'My legs haven't felt so clean – ever'.
- 'My wound is very sore, always has been but that felt fine' (after having it cleansed with UCS).
- 'Good grief – after being washed normally for months – look what came off with one cloth!'.

Surfactants, such as Poloxamer 188 (the active ingredient in UCS), have been used as an alternative to the more traditional methods of debridement. Poloxamer 188 cleanses, removes slough, debrides necrotic tissue and is known to be effective against biofilm. It also supports healing at a cellular level (Burnett et al 2012). Biofilms will reform within 24 hours so repeated debridement (maintenance debridement) is required until healing is achieved.

Poloxamer 188 is also a wetting agent, meaning it has a role in preventing biofilm sticking – it makes it difficult for biofilm to re-attach and reform in other parts of the wound, slough or dressing.

Skin grafting following necrotising fasciitis. Before and after 1 use of UCS.



Fig. 5



Fig. 6

Biofilm is disrupted and removed effectively with UCS - proven by microbiological testing (Perfectus Biomed 2019):

Scanning electron micrograph images of biofilm in the wound bed. Purple staining is biofilm (Fig 7. to Fig. 8. same wound bed after cleaning with UCS).

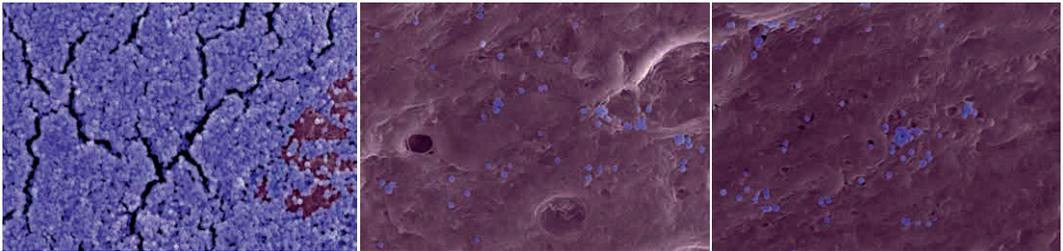


Fig 7. After washing with water

Fig 8. After using UCS

Fig 9. After using control (Bleach)

How to use UCS:

- Tear open sterile pack
- Using a polishing motion, work in and around the wound
- Use both sides of the cloth
- Do not wash the solution off—this allows the active ingredients to continue to work until the next dressing change.

How to access UCS:

| Product name | Pack Size | Order Code | PIP Code | NHSSC Code | Scottish PECOS | Price +VAT (2019) |
|-----------------|---------------------|------------|----------|------------|----------------|-----------------------|
| UCS Debridement | 10 sachets per pack | DT500 | 384-4271 | ELZ746 | 217106 | £32.90 per pack of 10 |

References:

- Percival SL, Mayer D, Kirsner RS, Schultz G, Weir D, Roy S, Alavi A, Romanelli M. (2019). Surfactants: Role in biofilm management and cellular behaviour. International Wound Journal / Vol 16, Issue 13.
- Perfectus Biomed study (2019). To determine the efficacy with UCS Debridement in removing pre-formed biofilms and preventing recolonization.