

UPM **BIOFORE**
BEYOND FOSSILS



FibDex[®]

**SUSTAINABLE WOOD-BASED NANOCELLULOSE
WOUND DRESSING FOR NATURAL WOUND HEALING.**

UPMBIOMEDICALS

FIBDEX® – FOR SKIN GRAFT DONOR SITE TREATMENT

FibDex is designed to support timely healing, facilitate low pain experience, and provide excellent wound healing conditions leading to a good patient outcome. FibDex nanocellulose wound dressing is a one-time-application, which maintains moisture balance for wound healing and detaches itself from the wound after epithelization.

Proven technology

Using UPM's patented technology, FibDex contributes to the healing process. Innovation has been developed together with Finnish researchers and health care personnel. Made from natural materials, FibDex® is porous, breathable and highly biocompatible with cells and tissues. Clinical studies ^{1,2} using Fibdex® reported that:

- FibDex® gave excellent results in elasticity of the scar and POSAS results for scar appearance
- FibDex® healed the wounds efficiently with timely healing and good level of epithelialization
- FibDex® dressing facilitates low pain experience
- Nanocellulose originates from nature and it is a green sustainable material without animal or human-origin components.

Features and benefits of FibDex® wound dressing



For wound For healing

- Maintains moisture conditions for healing
- Good biocompatibility
- As one-time application, avoids further trauma
- Protects the wound



For hospital

- One-time application, no dressing changes
- Enables time and resource savings to health care personnel and to health care providers
- Easy to use, no surgical removal needed
- Can be stored in room temperature
- Can be cut to shape
- Available also in large sizes (20x30cm)



For patient

- Being applied once, avoids additional trauma during dressing changes
- Low pain experience facilitation
- Comfortable for the patient
- Excellent scar quality and skin elasticity
- No reported allergic reactions

How to use FibDex®

FibDex is intended for use in the treatment of skin graft donor site wounds. Choose the right size dressing and ensure that the dressing extends beyond the edges of the wound by at least 1.0cm.

Moisten FibDex® in sterile 0,9% saline for 10 to 20 seconds.

Apply to viable infection free wound bed, secure in place with e.g. surgical staples if needed, and cover with suitable secondary dressing according to IFU (Instructions for Use). For professional use only.



FibDex® – available sizes

PRODUCT CODE	SIZE	PCS/BOX
FD101005	10x10cm	5
FD152005	15x20cm	5
FD203005	20x30cm	5



Sustainable solution for health care

FibDex® is manufactured from renewable and responsibly sourced Finnish birch wood.

Nanocellulose is a natural choice for wound healing that does not contain any animal or human origin components.

As a one-time dressing, FibDex® also reduces environmental load in terms of amount of waste in hospitals.



References

1. Nanofibrillar cellulose wound dressing in skin graft donor site treatment. Hakkarainen et al., Journal of Controlled Release 244 (2016) 292–301 (2016)
2. Clinical Study of Nanofibrillar Cellulose Hydrogel Dressing for Skin Graft Donor Site Treatment. Koivuniemi et al. ADVANCES IN WOUND CARE, Published Online: 4 June 2019 <https://doi.org/10.1089/wound.2019.0982>

For more information please contact **biomedicals@upm.com**
or go to **fibdex.com**

FibDex[®]

fibdex.com

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FibDex[®] is manufactured in Finland.

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