

UPMBIOFORE
BEYOND FOSSILS



FibDex[®]

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

UPMBIOMEDICALS

FIBDEX® – NATURAL WOUND HEALING

FibDex wound dressing has been designed to improve efficiency of wound treatment by offering superior performance and improved healing results. FibDex nanocellulose wound dressing is a one-time-application, which maintains an optimal moisture balance for wound healing and detaches itself from the wound after epithelialization.

Proven technology

Using UPM's patented technology, FibDex contributes 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 significant improvement in elasticity of the scar and POSAS results for scar appearance
- FibDex® healed the wounds efficiently with favourable healing time and 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

- Maintain optimal moisture level for healing
- Good biocompatibility
- As one-time application, avoid further trauma
- Protect the wound.



For hospital/HCP*

- One-time application, no dressing changes
- Save time and resources, savings to health care provider
- Easy to use, no surgical removal needed
- Can be stored in room temperature.



For patient

- Being applied once, avoids additional pain during dressing changes
- Comfortable and soothing
- Improved scar quality and skin elasticity
- No reported allergic reactions.

*HCP= health care personnel

How to use FibDex®

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.

Intended use for FibDex® is skin graft donor site wounds.



FibDex® – ordering information

PRODUCT CODE	SIZE	PCS/BOX
FD101001	10x10cm	1
FD101005	10x10cm	5
FD152001	15x20cm	1
FD152005	15x20cm	5
FD203001	20x30cm	1
FD203005	20x30cm	5



Sustainable solution

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

CE 0044

FibDex[®] is manufactured in Finland.

UPM-Kymmene Corporation

Alvar Aallon katu 1

PO Box 380

00101 Helsinki, Finland