

MicroMatrix[®] Flex



INTEGRA[®] 

MicroMatrix[®] Flex

MicroMatrix Flex is a dual-syringe system designed to enable convenient mixing and delivery of MicroMatrix paste to hard-to-reach wound areas.

FLEXIBLE TIP FOR THE MANAGEMENT OF TUNNELED, UNDERMINED OR IRREGULAR WOUNDS

- Bendable tip allows for ease of application in hard-to-reach areas.
- Tip will hold its shape but can be adjusted during application.



UBM TECHNOLOGY SUPPORTS A QUICK TRANSFORMATION OF THE WOUND BED^{1,2}

- MicroMatrix is an extracellular matrix derived from porcine urinary bladder matrix (UBM).
- MicroMatrix Flex provides a tool for delivery of UBM technology, which has been shown to support a shift from an inflammatory wound environment to one that facilitates rapid revascularization to support wound closure.^{2,3}

DESIGNED FOR USE IN A RANGE OF WOUNDS WITH HARD-TO-REACH GEOMETRIES INCLUDING:



Wounds with tunneling and/or undermining



Deep wounds



Irregular wound beds



Wounds against gravity (e.g., bottom of the foot or sacral region)



MicroMatrix® Flex Application Guide

DEVICE PREPARATION STEPS

***Note:** Read the entire Instructions for Use (IFU), provided with each device, before using the following quick reference guide.

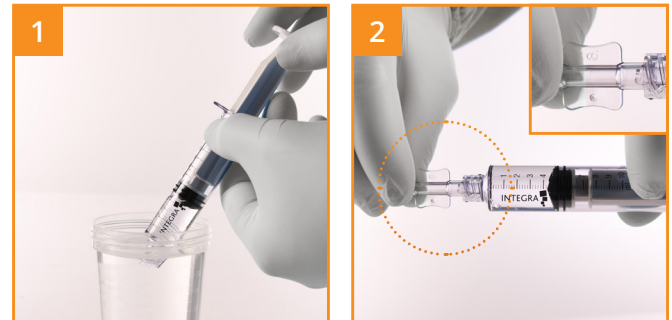
1. Draw 6 cc of sterile saline into empty syringe.
2. Attach the syringe-to-syringe connector to the sterile saline-filled syringe.
3. Connect the particulate-filled syringe to the free end of the connector.
Push all the sterile saline into the particulate-filled syringe.
4. Tap the particulate syringe against the palm of your hand at least twenty (20) times or until the majority of the particulate appears hydrated.
5. Hold both syringes in your hand and rapidly depress the plungers back and forth at least twenty (20) times.
Push all paste into one syringe.
6. Disconnect the paste-filled syringe from the connector and dispense paste.
7. (Optional) Connect the dispensing tip directly to the syringe.
The tip may be bent to assist in application of the paste.

DEVICE APPLICATION

- Wound Bed Preparation: Before using MicroMatrix Flex, perform standard debridement procedures in line with internal institutional protocols.
- Apply paste directly to the wound bed.

Note: Use the paste within two (2) hours of preparation.

Note: Toxicological testing for MicroMatrix Flex, conducted using exhaustive, worst-case extractions, supports the application of 3 devices/ day per patient.





WOUND DRESSING

- **Primary Dressing:** Cover the device(s) with a non-adherent dressing. The dressing may be sutured or stapled in place to protect the device. If the wound is dry or in an area that is prone to dryness, apply a moisture-adding dressing such as hydrogel to sufficiently hydrate the wound. If the wound is heavily exudative, apply an absorptive dressing on top of the non-adherent dressing.
- **Secondary Dressing:** Secure the primary dressing in place with a secondary dressing that will bolster and protect the wound.

Note: MicroMatrix or MicroMatrix Flex may be used in conjunction with any of the Integra LifeSciences tissue sheets listed below.† Always apply MicroMatrix before applying the sheet product.

MICROMATRIX® FLEX ORDERING INFORMATION

Product	Item #	Size
MicroMatrix® Flex	MMFX05	5 cc

MicroMatrix® Flex

INDICATIONS

MicroMatrix Flex is intended for the management of wounds including: partial and full-thickness wounds, pressure ulcers, venous ulcers, diabetic ulcers, chronic vascular ulcers, tunneled/undermined wounds, surgical wounds (donor sites/grafts, post-Mohs surgery, post-laser surgery, podiatric, wound dehiscence), trauma wounds (abrasions, lacerations, partial thickness burns, skin tears), draining wounds. The device is intended for one time use.

CONTRAINDICATIONS

1. Patients with known sensitivity or allergy to porcine materials.
2. Third-degree burns.

WARNINGS

1. If active infection is present, treat patient to resolve infection prior to device application.
2. Do not use if cracked, broken, or otherwise damaged.
3. MicroMatrix Flex device is not intended for the treatment of alopecia.
4. Do not connect the MicroMatrix Flex device to a hypodermic needle.

PRECAUTIONS

1. Always use aseptic technique when handling device.
2. Do not re-use.
3. Do not re-sterilize.
4. Do not cut dispensing tip.

† Integra Bilayer Wound Matrix, Integra Meshed Bilayer Wound Matrix, Integra Matrix Wound Dressing, Integra Wound Matrix Thin Skin, Cytal Wound Matrix, Primatrix Dermal Repair Scaffold

REFERENCES: **1.** LeCheminant, Field C. Porcine urinary bladder matrix: a retrospective study and establishment of protocol. *Wound Care*. 2012;21(10):476, 478-80, 482. **2.** Paige JT, Kremer M, Landry J, et al. Modulation of inflammation in wounds of diabetic patients with porcine urinary bladder matrix. *Regen Med*. 2019;14(4):269-277. **3.** Brown BN, Londono R, Tottey S, et al. Macrophage phenotype as a predictor of constructive remodeling following the implantation of biologically derived surgical mesh materials. *Acta Biomater*. 2012;8(3):978-987.