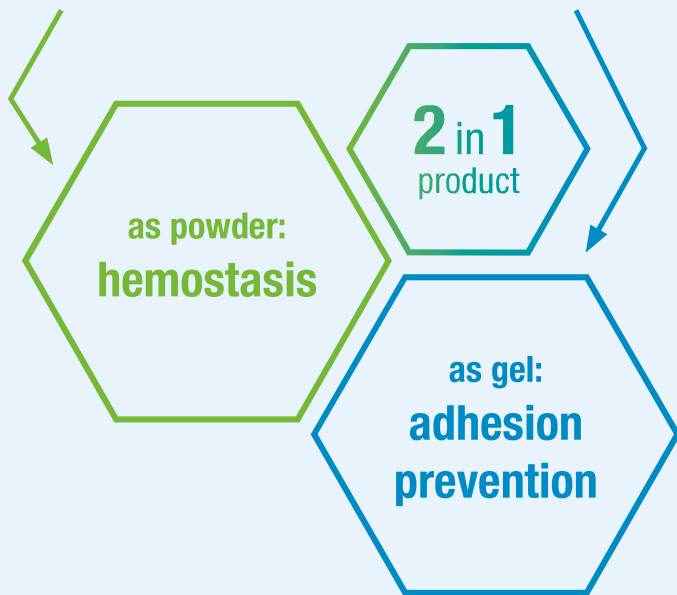




68-100 % fewer adhesions¹⁻⁸

4DryField® PH

PROVIDES HEMOSTASIS – PREVENTS ADHESIONS



4DryField® PH – the innovative medical device for adhesion prevention and hemostasis makes the difference, because not all starch-based products are alike.



4DryField® PH is the only starch-based adhesion barrier with clinical studies confirming its efficacy.

Studies from gynecology, general surgery, urology, cardiac surgery, trauma surgery and more. Search pubmed.gov for „4DryField“.

Further advantages

- ▶ no recurrent small bowel obstructions⁸
- ▶ shorter re-interventions⁹
- ▶ fewer hematomas¹⁰
- ▶ fewer lymphoceles¹¹
- ▶ avoids cauterization^{12-13, 15}
- ▶ preserves fertility¹⁴⁻¹⁵



Only **4DryField® PH** is produced using the **SAFE™ technology** for optimized adhesion prevention efficacy.

4DryField® PH is one of the best adhesion barriers

(Krämer et al. 2021 Surg Technol Int)



UK Distributor



■ INNOVATIVE EXCELLENCE ■

1. Poehnert et al. 2015, 2. Poehnert et al. 2016, 3. Winny et al. 2016a, 4. Winny et al. 2016b, 5. Poehnert et al. 2019, 6. Krämer et al. 2021a, 7. Ziegler & De Wilde 2022, 8. Ahmad & Crescenti 2019, 9. Cesnjevar et al. 2022, 10. Lucas et al. 2021, 11. Karsch et al. 2016, 12. Watrowski 2020, 13. Torres de la Roche et al. 2020, 14. Krämer et al. 2021b, 15. Moszynski et al. 2023

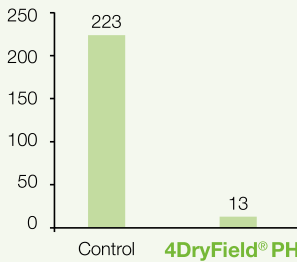
4DryField® PH in powder form

Immediate hemostasis

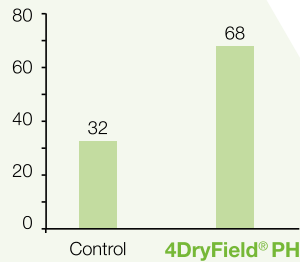
The hydrophilic microparticles dehydrate the blood, thereby concentrating clotting factors and platelets.

- **Acceleration of the entire coagulation cascade.**
- The patient's blood is transformed into a natural fibrin glue.

Clotting time [s],
50% HAES-diluted blood



Max. clot firmness [mm],
50% HAES-diluted blood



4DryField® PH significantly improves blood clotting (left) and clot strength (right) even in diluted blood. (Hanke et al. 2011 ASA Meeting).

4DryField® PH absorbs multiple times its own mass in liquid within seconds. Thus, hemostasis is accelerated.



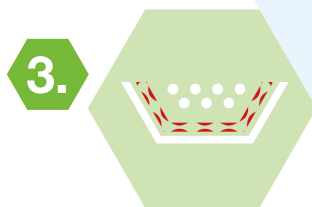
Cleaning & Drying

The area of bleeding that is to be treated should be as clean and as dry as possible.



Application

Direct application of **4DryField® PH** powder on the bleeding source. If necessary, apply pressure with a gauze pad.



Bleeding stopped

If used, moisten gauze to remove.

— Blood — Tissue • 4DryField® PH powder — 4DryField® PH gel — Gauze — Clot — Saline solution

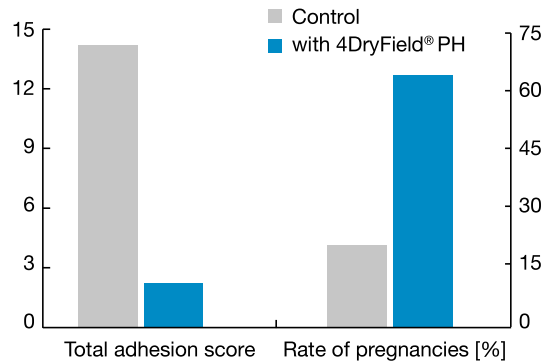
4DryField® PH as a gel

Effective adhesion prevention

For adhesion prevention, **4DryField® PH** powder is transformed into a gel using isotonic saline solution.

The gel functions as a temporary, mechanical barrier preventing surgically traumatized tissues from adhering and ensuring separated healing of the respective surfaces.

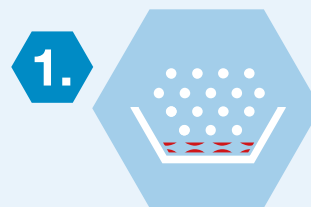
Results of randomized clinical trial with 2nd look:



4DryField® PH as a gel significantly reduces adhesion formation by 85% and also significantly increases pregnancy rates (Krämer et al. 2021a+b).

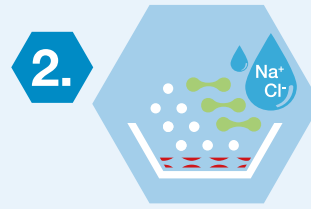
Retention time of the gel barrier is adjusted to the duration of mesothelial healing.

It is important that the gel is free of blood!



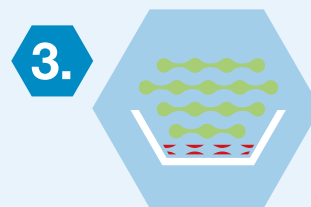
Application

Evenly cover the wound area with **4DryField® PH** powder.



Gel transformation

Sprinkle with 0.9% saline solution until the powder is transformed into a gel.



Gel dosage

Depending on application field and required viscosity 8-14 ml of saline solution per 1 g of **4DryField® PH** powder.



PlantTec Medical GmbH
Dorette-von-Stern-Str. 10
21337 Lüneburg
Germany



Book a Meeting!



www.ideal-ms.com

Warning and safety notes in the operating instructions must be observed. This document does not replace any operating instructions and/or training.

Read instructions for use Attention, see instructions for use