



Absorbable Hemostats Oxidized Regenerated Cellulose

Oxigel ORC hemostat is an absorbable knitted fabric composed by the oxidized regenerated cellulose. Oxigel absorbable hemostat is white with a pale yellow in color. A slight discoloration may occur with age, but this does not affect properties. Oxigel ORC hemostats meet all the requirements established by the USP for Oxidized regenerated cellulose.

Hemostatic mechanism:

When Oxigel comes into contact with blood, it will absorb the blood and gradually swell, eventually dissolving into a gelatinous material. By briefly applying pressure at this point, the material will adhere to the wound, effectively sealing the ends of the venous capillaries and resulting in a mechanical hemostatic effect. The coagulation cascade is activated, transforming soluble fibrinogen into a net of insoluble fibrin which stops the bleeding. When implanted into tissue, Oxigel is absorbed within 7-14 days. Oxigel is completely bio-absorbable.

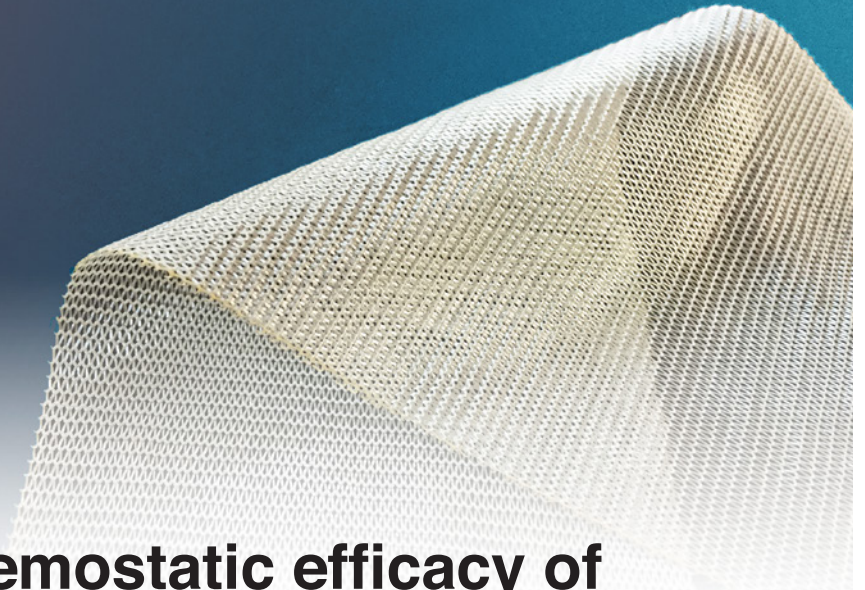
Oxigel Absorbable Hemostat (Oxidized Regenerated Cellulose) is used adjunctively in surgical procedures to assist in the control of capillary, venous and small arterial hemorrhage when ligation or other conventional methods of control are impractical or ineffective.

Oxigel Standard, Oxigel Fibrillar and **Oxigel Knit** hemostats can be cut to desired sizes to use in endoscopic surgeries. Oxigel Absorbable Hemostats are fully absorbed with minimum tissue reaction.

Oxigel ORC Absorbable Hemostat exhibits bacteriostatic and bactericidal properties with the effect on growth and multiplication of gram (+) and gram (-) organisms including aerobic, anaerobic bacteria show resistant to antibiotics.



OXIGEL[®]



Comparison of hemostatic efficacy of hemostatic agent, Oxichel and Surgicel

	Control (n=7)	Oxichel hemostat (n=7)	P*			
			Surgicel (n=7)	Control vs Oxichel hemostat	Control vs Surgicel*	Oxichel hemostat vs Surgicel*
Body Weight(g)	303.4 ± 4.9	303.1 ± 6.8	304.3 ± 9.6	0.93	0.84	0.80
Excised kidney (g)	0.11 ± 0.020	0.097 ± 0.013	0.103 ± 0.005	0.17	0.35	0.32
Sponge+Blood (g)	7.50 ± 0.82	5.13 ± 0.52	4.98 ± 0.64	-	-	-
Sponge (g)	4.05 ± 0.15	4.23 ± 0.13	4.08 ± 0.08	-	-	-
Mean blood loss (g)	3.45 ± 0.74	0.90 ± 0.52	0.90 ± 0.67	<0.01*	<0.01*	<0.99*
Mean bleeding time (sec)	218.1 ± 26.3	123.1 ± 28.6	121.6 ± 35.0	<0.01*	<0.01*	<0.93*

Ordering Information

OXS11	Oxichel Standard 1.25 cm x 5 cm
OXS12	Oxichel Standard 1.3 x 5.1 cm
OXS13	Oxichel Standard 1.5 x 5 cm
OXS14	Oxichel Standard 2.5 x 2.5 cm
OXS15	Oxichel Standard 2.5 cm x 5 cm
OXS16	Oxichel Standard 5 cm x 35 cm
OXS17	Oxichel Standard 5.1 cm x 7.6 cm
OXS18	Oxichel Standard 5.1 cm x 35.6 cm
OXS19	Oxichel Standard 7.5 cm x 10 cm
OXS20	Oxichel Standard 10 cm x 20 cm
OXS21	Oxichel Standard 10.2 cm x 20.3 cm
OXS22	Oxichel Standard 15 cm x 23 cm
OXS23	Oxichel Standard 12.5 cm x 5 cm
OXS24	Oxichel Standard 5 cm x 10 cm
OXS25	Oxichel Standard 5 cm x 7,5 cm

OXK11	Oxichel Knit 2.6 cm x 2.6 cm
OXK12	Oxichel Knit 7.6 cm x 10.2 cm
OXK13	Oxichel Knit 15.2 cm x 22.9 cm
OXK14	Oxichel Knit 2.5 cm x 5.1 cm
OXK15	Oxichel Knit 5.1 cm x 10.2 cm
OXK16	Oxichel Knit 10.2 cm x 10.2 cm
OXK17	Oxichel Knit 5 cm x 7.5 cm

OXF11	Oxichel Fibril 2.6 cm x 2.6 cm
OXF12	Oxichel Fibril 7.6 cm x 10.2 cm
OXF13	Oxichel Fibril 15.2 cm x 22.9 cm
OXF14	Oxichel Fibril 2.5 cm x 5.1 cm
OXF15	Oxichel Fibril 5.1 cm x 10.2 cm
OXF16	Oxichel Fibril 10.2 cm x 10.2 cm
OXF17	Oxichel Fibril 5 cm x 7.5 cm

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