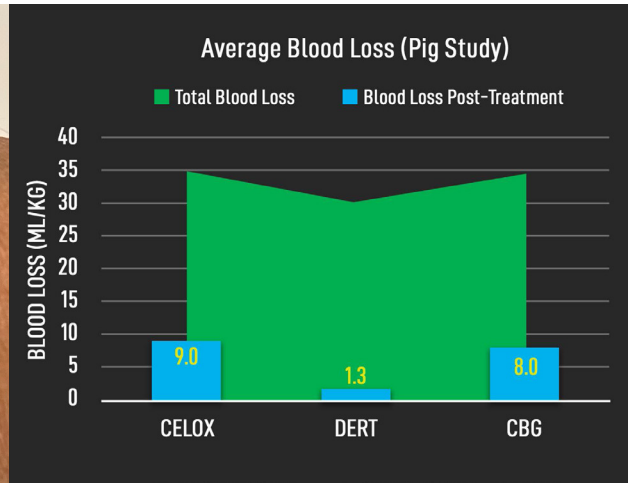


DERT

Rapid Hemostatic Compound



Summary

DERT is a hemostatic agent that prevents life-threatening blood loss due to traumatic injuries. Upon application to a wound, DERT clots within 10 seconds due to strong red blood cell coagulation, plasma absorption, and platelet aggregation and adhesion.

- Control of severe bleeding
- Immediate coverage, bonding and clotting
- Significantly reduces blood loss
- Clot remains in place under pressure and flexing

Capabilities

Oceanit tested the hemostasis of DERT in a large animal model (pig) of junctional hemorrhage with hyperdilution and hypothermia. The amount of blood loss, number of applications required to achieve clotting, and ability to maintain the clot after flexing was monitored compared to standard Combat Gauze (CG) and a competitive product. Even though less material was used for DERT, it outperformed both the CG and the competitor.

Details

- DERT only required 1 treatment application in 86.7% of all pigs tested, compared to the competitor (26.7%) and CG (40%).
- The average blood loss (post-treatment and total) was significantly lower for DERT than others.
- 73% of DERT clots withstood repeated movement after 3 hours, versus only 33.3% of competitor clots and none of the CG clots.

