

Minnesota Thermal Science Awarded Special Forces Contract for "Factor VII" Combat Portable Container

Minnesota Thermal Science announced it has been awarded a contract to deliver its specialized thermal container for use by U.S. Special Forces to transport emergency dosages of Factor VII to seriously wounded soldiers. The new container will maintain its payload temperature for several days even in harsh conditions and will be used in conjunction with the Original Golden Hour Container.

Plymouth, MN ([PRWeb](#)) May 1, 2007 -- Minnesota Thermal Science, LLC announced it has been awarded a contract to deliver its recently designed specialized thermal container that will be used by U.S. Special Forces to transport emergency dosages of "Coagulation Factor VIIa." Factor VII is a genetically engineered injectable drug that may be administered to seriously wounded soldiers to promote clotting and help stop bleeding.

{InsertImage}The new container weighs less than three pounds and fits into the pocket of a standard medic pack. Even in harsh conditions it will maintain its payload temperature for several days. It will be used in conjunction with the [Original Golden Hour Container](#), a reusable thermal medic pack originally designed to carry blood to treat wounded soldiers in battlefield conditions. When used in tandem, the container systems ensure that a Special Forces unit is able to safely carry the Factor VII for many days, regardless of the mission conditions.

According to George Flora, the company's president, deploying Factor VII outside a hospital or laboratory environment is a significant challenge because, like most biopharmaceutical materials, it must be temperature controlled at all times. "Being able to carry the necessary medical materials into the field has been a major accomplishment of our technology. Obviously, a combat medic cannot be expected to carry a heavy cooler out on a mission. And the conditions that our soldiers face frequently involve both environmental extremes - heat and cold, where traditional insulated containers quickly fail. This new thermal transport unit is yet one more adaptation of our award winning Golden Hour Technology. It is this technology that received an Army's Greatest Invention award in June 2004, and it allows us to solve virtually any cold-chain problem - predictably and reliably."

Factor VII is the latest medical treatment intended to stop the bleeding in severely wounded soldiers. It was originally introduced in the U.S. in 1999 by Novo Nordisk under the brand name NovoSeven and has been used to treat hemophilia, aid in recovery from surgery, and used with patients who cannot produce enough Factor VII in their blood to form clots naturally.

Minnesota Thermal Science develops unique storage and shipping systems that maintain constant and predictable temperatures when transporting perishable medical materials. The name "Golden Hour" refers to the crucial one-hour period following injury, when 85% of deaths typically occur.

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Online Web 2.0 Version

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