



Martin Cannon, President and CEO

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A blood storage system that delivers a more physiologic, therapeutic and durable Red Blood Cell to transfusion recipients globally.

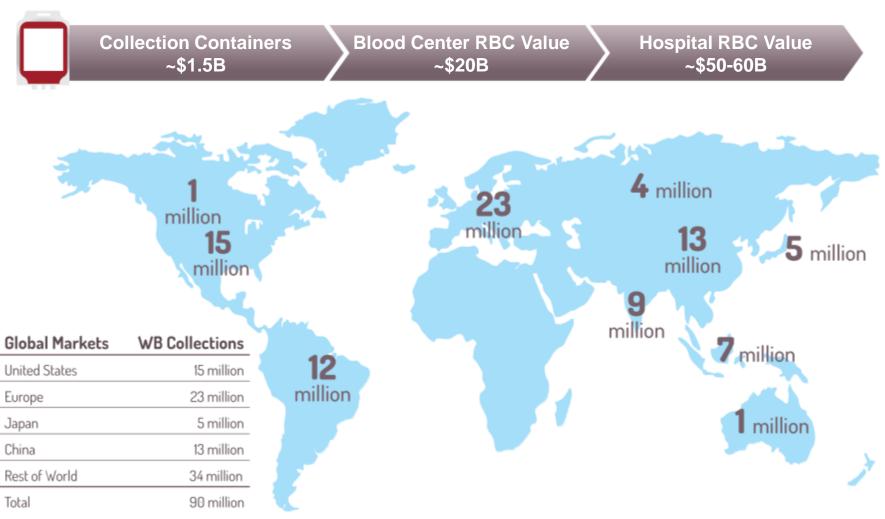


Hemanex+



Red Blood Cell Market

Global red blood cell collection market – millions of collections





Market Need and NHSi Proprietary Solution

Need: Protecting Patients from the Effects of "The Storage Lesion" (The Negative Age Effects of Red Blood Cell (RBC) Storage)

- + RBC degrade progressively over the 6 week storage period
- + RBC degradation driven by oxidative damage to packed hemoglobin

Solution: The Hemanext Storage System Removes O₂ and CO₂, the Fuels for Oxidative Damage

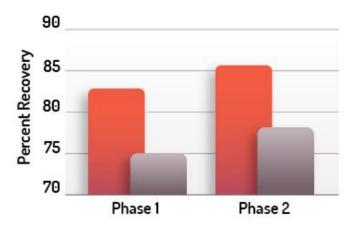
- + Creates and maintains an anaerobic environment for up to 9 weeks
- + Has repeatedly demonstrated substantial improvements in a comprehensive array of RBC quality metrics at 3, 6 and 9 weeks vs. current methods



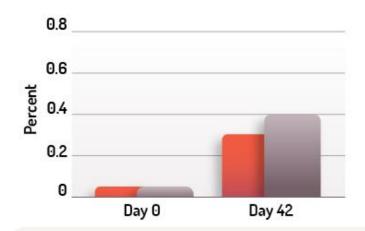
Phase II Clinical Data: Standard Metrics



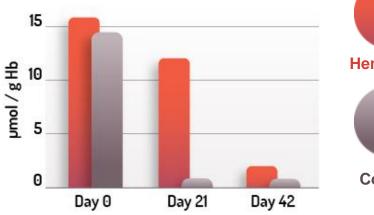
24-Hr Recovery (Adj): Measures % of transfused RBCs surviving 24 hours in recipient



Hemolysis: A process involving progressive RBC destruction yielding harmful effluent



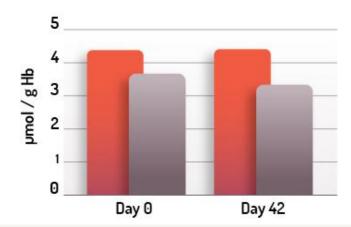
2,3 DPG: Modulates hemoglobin's ability to deliver oxygen in tissues



Hemanext

Control

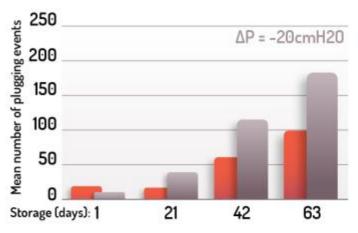
ATP: 'Energy currency' of RBC; Indicator of overall health of RBC



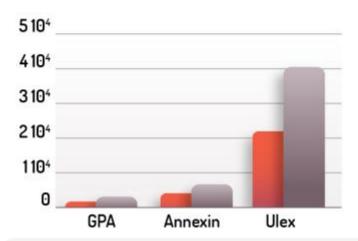
Phase II Clinical Data: Novel Metrics



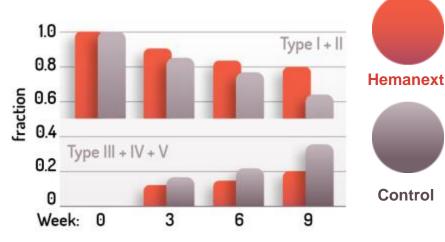
Deformability: RBC's ability to deform into narrow capillaries to deliver oxygen (capillary plugging frequency measured with Micro Vascular Analyzer)



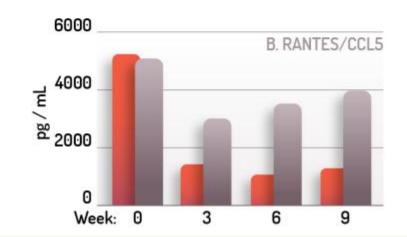
Micro-particles: Small particles shed by blood cells for waste disposal, or during cell damage and aging



Morphology: Physical appearance of RBC: Healthy biconcave shape to spiny shape to sphere



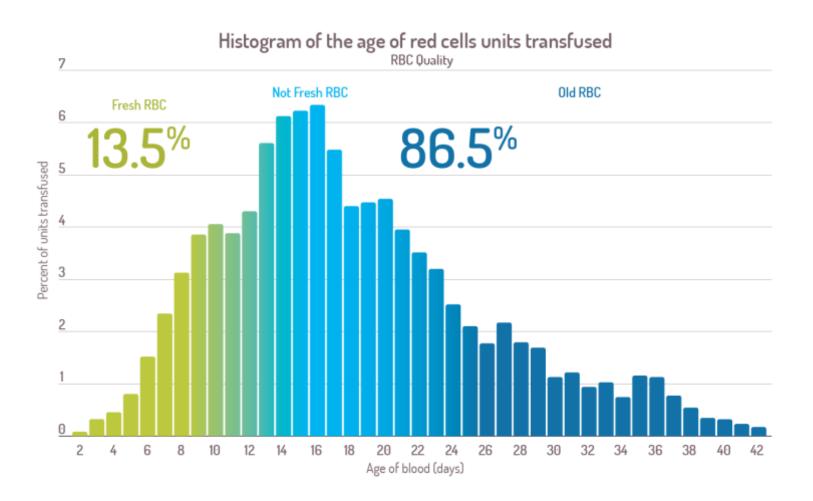
Biologic Response Modifiers: Substances made by cells or product of cells that provoke systemic response in the body

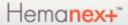






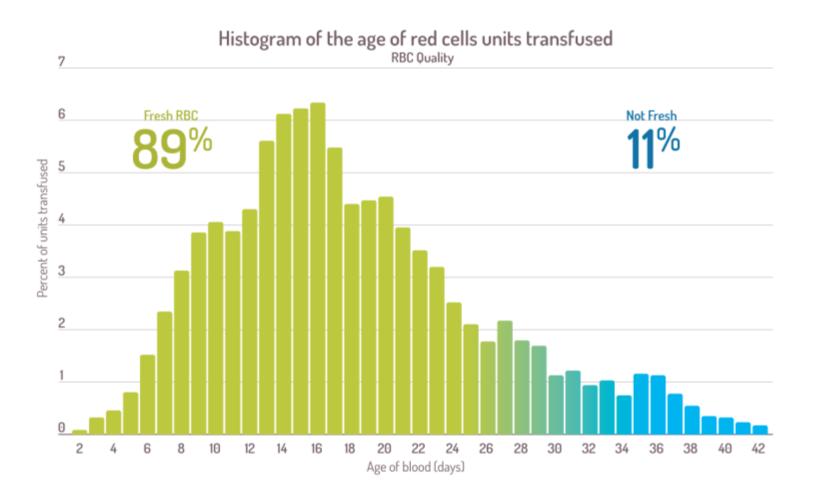
Only 13.5% of Existing RBC Meet Criteria of "Fresh"

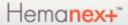






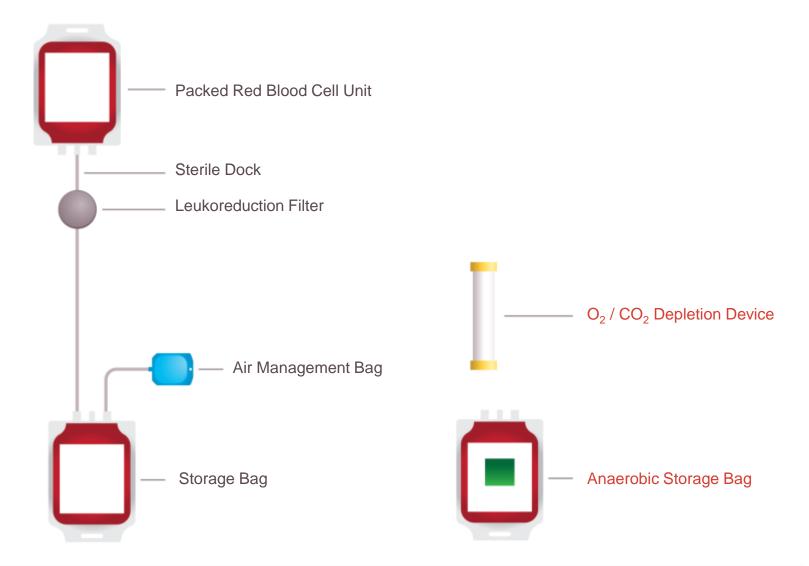
Hemanext Extends "Fresh" Characteristics to 89% of RBC





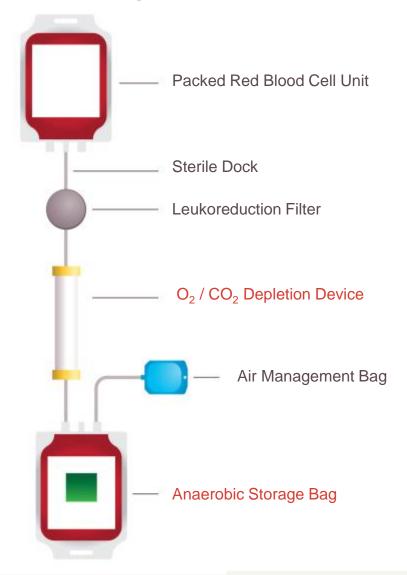


Hemanext Anaerobic Storage Platform





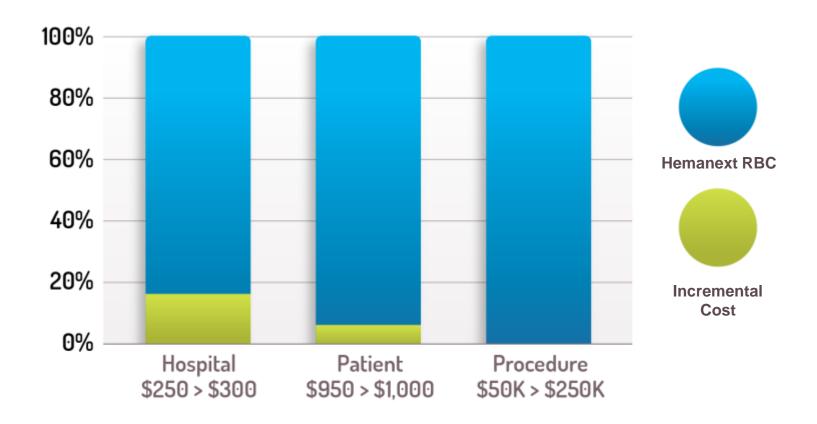
Hemanext Anaerobic Storage Platform





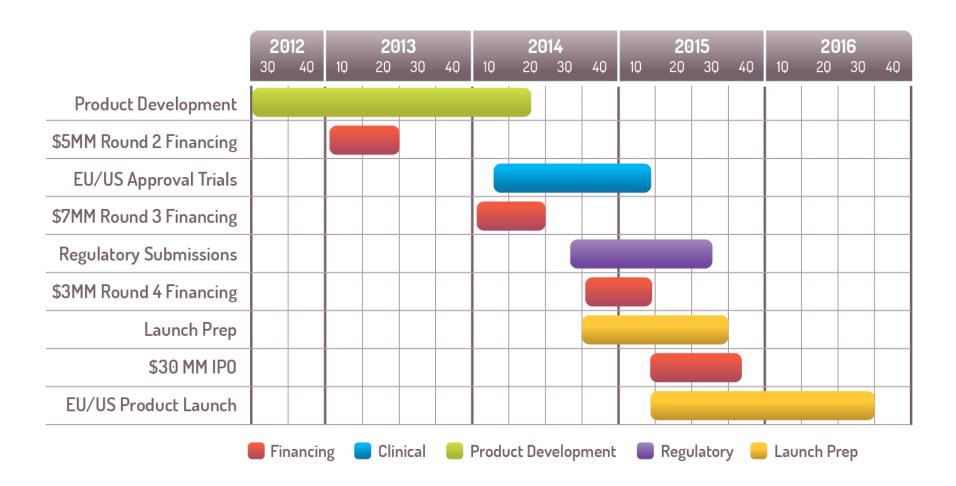


Hemanext Impact on Transfusion "System Economics"





Hemanext Business and Financial Milestone Timeline







Financial Projections

\$ MM	Global	
+ 5 Years - Sales - EBITDA	310 133	
+10 Years - Sales - EBITDA	679 327	
20 Year Cumulative Cash Flow	3,000	
NPV (5%)	1,500	
NPV (10%)	750	
IRR	63	

All key assumptions derived from discussions from 1 or more key strategic players.





Capitalization Table

	Pre-Money Valuation	Raise	Post-Money Valuation
Legacy Investments:			
NIH SBIR Phase I + II Grants	\$5,473,000	\$2,027,000	\$7,500,000
Round 1: Product Dev't Through Type B	\$9,763,334	\$10,600,000	\$20,363,334
Future Investments:			
20 2013: Transfer to Manufacturing	\$25,000,000	\$5,000,000	\$30,000,000
20 2014: US and EU Clinical Trials	\$38,750,000	\$5,000,000	\$43,750,000
10 2015: US/EU Regulatory Submissions	\$50,000,000	\$5,000,000	\$55,000,000
40 2015: IPO	\$150,000,000	\$30,000,000	\$180,000,000





Management Team

+ President and CEO – Martin Cannon

- Partner Bain & Company
- Founder, CEO Cannon Associates (sold to EDS)
- Division President AppNet (acquired by Commerce One)
- Co-Founder NHSi (led acquisition of Hemanext)

+ Sr. Director, Product Development – Steven Levesque, Ph.D.

- 30 years biomedical product development
- Led 5 products' FDA clearance
- Inventor of 6 patents

+ Director, Research & Development – Tatsuro Yoshida, Ph.D.

- Co-inventor of Hemanext
- 20+ years researching storage lesion
- Inventor of 10 patents

+ Director, Finance and Administration – Michael Bavonese

- Prior 15 year career at Johnson & Johnson
- + Regulatory Consultant Emily Rossiter
 - Highly regarded regulatory consultant with extensive experience in transfusion medicine
- + Business Development Consultant Steven Urdahl
 - Former Business Development EVP TerumoBCT





Board of Directors and Scientific Advisors

+ Board of Directors

- Guy Cogan, Chairman of The Monitor Group
- Stephen Eckert, President and CEO of Classic Communities Corporation
- David Testa, Retired Vice Chairman and Chief Investment Officer of T. Rowe Price
- David Herman, Former Chairman and CEO of Adam Opel AG
- Richard Perle, Resident Fellow of The American Enterprise Institute

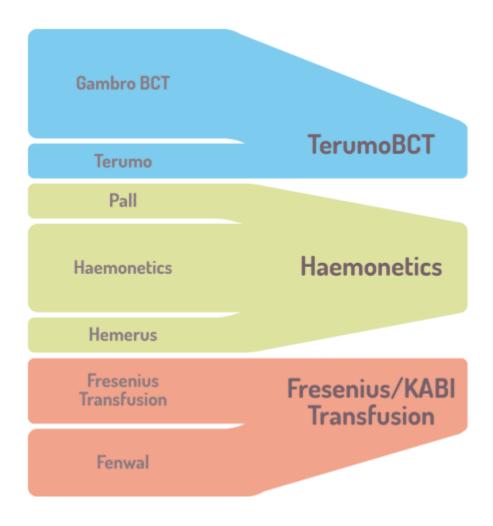
+ Scientific Advisors

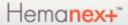
- Jim AuBuchon, MD, President and CEO of Puget Sound Blood Center
- Larry Dumont, MBA, PhD, Cell Lableing Lab Director, Dartmouth-Hitchcock Med. Ctr.
- Jose Cancelas, MD, PhD, Director of Research at Hoxworth Blood Center (Univ. of Cin.)
- Gary Moroff, PhD, Retired Head of Blood Components Research, American Red Cross
- Ralph Vasallo, MD, Northeast Division Chief Medical Officer, American Red Cross
- Giancarlo Liumbruno, MD, Director, Complex Operative Unit of Immunohematology and Transfusion Medicine and Clinical Pathology, Rome, Italy





Transfusion Medicine Corporate Consolidation







Exit Strategy

- + Plan A: Acquisition By Major Industry Player
 - 3 global players remain following 10 year industry consolidation
 - Hemanext can provide "game changing" competitive advantage
 - NHSi under NDA with all 3 companies
- + Plan B: IPO To Fund Production and Go-To-Market Infrastructure
 - Viable option following regulatory approval
 - Existing partnerships provide clear path to low cost contract manufacture
 - IPO funds would be used for go-to-market scale up
- + Plan C: Acquisition Following IPO and Initial Commercialization





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