

INVESTIGATION



INNOVATION



IMPACT



CPSI Biotech, a private, integrative bio/medtech greenhouse company, develops and designs **life science research products and cryo-medical devices** for applications in cancer, cardiovascular disease treatments and cell therapy bioprocessing.

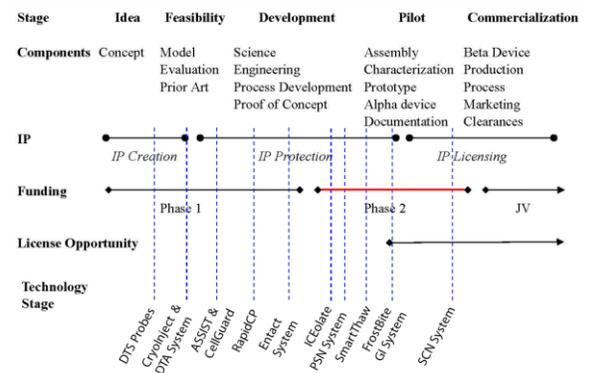
- Ongoing R&D and business development activities continue to produce **innovative technologies, devices and intellectual property** for commercialization, licensing or sales in support of diverse clinical and research applications.
- **Partnerships:** By leveraging the innovation, flexibility and R&D strengths of CPSI in combination with the development, commercialization, manufacturing and clinical expertise of partnering organizations, rapid and efficient product commercialization is attainable.

Product Pipeline

CPSI has developed a broad product/technology portfolio covering the Biotech and MedTech arenas. Our ready-to-commercialize product portfolio consists of next-generation cryogenic devices for the treatment of pancreatic cancer and novel low temperature storage processing devices for cells and tissues.

Currently CPSI has developed 12 technologies to the pre-commercialization stage which are poised for movement into final engineering, clinical testing and regulatory approval stage.

CPSI Biotech System & Product Pipeline



MedTech

- **FrostBite™** – Endoscopic based multi-modal ablation catheter for the treatment of pancreatic cancer
- **Pressurized Subcooled Nitrogen (PSN) Platform** – Cryoablation device and disposables
- **Supercritical Nitrogen (SCN) Platform** - Cryoablation device and disposables (probe)
- **Entact™ System** – Thermal maintenance endoscopic catheter for use during cardiac ablation
- **ICEolate®** – Specialized series of cardiac cryoablation probes and catheters
- **DTA System** – A dual thermal ablation (freeze and heat) probe and device platform for ablation
- **Deployable Thermal Sensor Probes** – Multipoint thermal sensor probe for use during ablation

Med/Biotech

- **CryoInject™ and CryoPellets™** – Handheld cryodevice which injects multiple “CryoPellets™” (ice seeds) for the *in situ* targeting of unwanted tissue
- **SensitICER™** - Therapeutic adjunctive compounds, to enhance the lethality of cancer ablation

Biotech

- **SmartThaw/iThaw™** - Device for the controlled, sterile, dry thawing of frozen cell products
- **SmartFreeze™** – Device for the quick high throughput freezing and thawing of cells and tissues
- **ASSIST Platform** – Research lab-bench tissue engineered model (TEM) providing an Alternative, Animal Safe Solution for Innovative Scientific Testing (ASSIST).
- **CellGuard®** - Cell stress mediator cocktail to maintain cells, including stem cells, under normothermic conditions extending their functional life beyond their current limit

PROTOTYPE

DEVELOPMENT

Concept idea to working prototype, designed with manufacturing and compliance needs in mind.

Efficiency is doing the right things well.

INDEPENDENT DEVICE TESTING

Rigorous testing of prototype/ alpha-builds to approved medical devices.

Comparative performance evaluations and reporting you can trust.

CONTRACT RESEARCH

Life Science research and testing for peer-reviewed publications or white paper development.

To find the answers you seek, first you must ask.

Contact us to learn more about our innovative products and research services.

Overview of CPSI Products in Development and Application Areas

Category	Technology	Application Area	Brief Description
MedTech	SCN	GI, Car, N/P	Supercritical Nitrogen cryoablation device Rapid delivery of ultra-cold cryogen to destroy unwanted tissues
	PSN	Car, CA, GI, WH, MH, N/P	Pressurized Sub cooled Nitrogen system Next generation cryodevice which uses pressurized sub cooled dual-phase cryogen to ablate targeted tissues
	Entact™	Car, GI	Thermal protection and monitoring balloon catheter to protect the esophagus during cardiac arrhythmia ablation (both cryo and heat)
	DTA System	Car, CA, GI, WH, MH	Dual Thermal Ablation Device/ System ablate a target tissue
	FrostBite™	GI	Specialized endoscopic compatible catheter with ablation needle tip for pancreatic cancer ablation
	ICEolate®	Car	Specialized series of cardiac ablation probes and catheters for the treatment of cardiac arrhythmias
MED/ BioTech	Thermal Sensors	CA, WH, MH	A specialized thermal sensing probe platform with integrated and deployable multipoint thermal couples to monitor an ablation zone
	CryoInject/ Cryopellets	MH, WH	Hand held injection device and frozen sensitization pellets The device is designed to inject preferred ice pellets impregnated with molecular or drug agents to enhance tissue ablation
BioTech	SensitICERS™	CA, WH, MH	Combination (neoadjuvant) therapies for the pre-treatment (sensitization) of cancer to assure complete destruction reducing the risk of recurrence and associated collateral damage
	ASSIST	DD, BR, T	Multi-use lab research based tissue engineered model which serves as a surrogate/bridge to accelerate animal studies
	RapidCP™	SC, CT, CB, DD, Dia	Rapid freezing system for the processing of cells and tissue for clinical or research utilization
	SmartThaw™	SC, CT, CB, DD, Dia	Dry thawing device for the processing of cells and tissue for clinical or research utilization
Key	CellGuard®	CB,DD,Dia,BP,SC, CT	Cell stress modulation reagent platform to improve the retention and function of cells in research and clinical settings
	MedTech	GI = Gastroenterology CA = Cancers	Car = Cardiac WH = Women's Health N/P = Nerve/Pain Management MH = Men's Health
	BioTech	DD = Drug Discovery CT = Cell Therapy BP = Bioprocessing	Dia = Diagnostics SC = Stem Cells T = Training BR = Basic Research CB = Cell Banking

Business Development and Investment Opportunity

Our mission is to rapidly translate new and innovative technologies through the concept and development phases and into the commercialization stage to bring these technologies to the market. In support of these efforts, CPSI Biotech welcomes inquires and discussions pertaining to equity investment as well as business relationships (sales, acquisition, licensing, or partnering) for any of the products and technologies under development.

Caution: Investigational Devices Limited by Federal Law to Investigational Use Only