



Why do you need a Bluechiip tracking system?

Productivity, Sample quality and integrity. December 2017



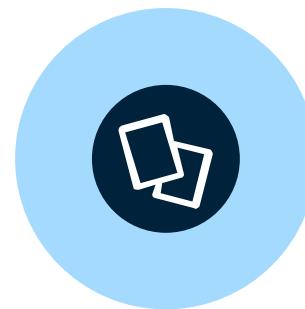
Unique patented MEMS technology combining secure wireless tracking with integrated temperature sensing for extreme environments

Biopreservation trends

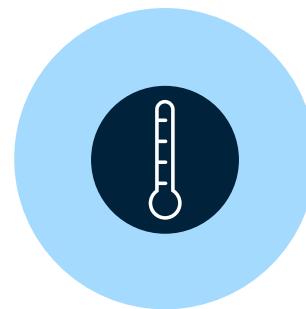
Biobanks moving from COST to PROFIT centre



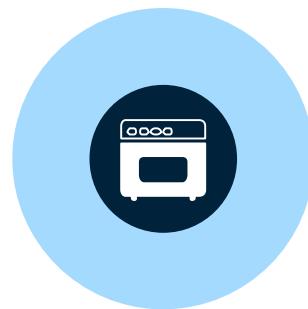
High volume processing



Dual labelling



Criticality of temperature



Increasing demand for -196C° storage

Productivity & Automation

Reliable ID

Sample quality

Cryosafe technology

Sample tracking issues

Illegible handwriting and manual record keeping



Sample tracking issues

Printed labels falling off, fainting or illegible



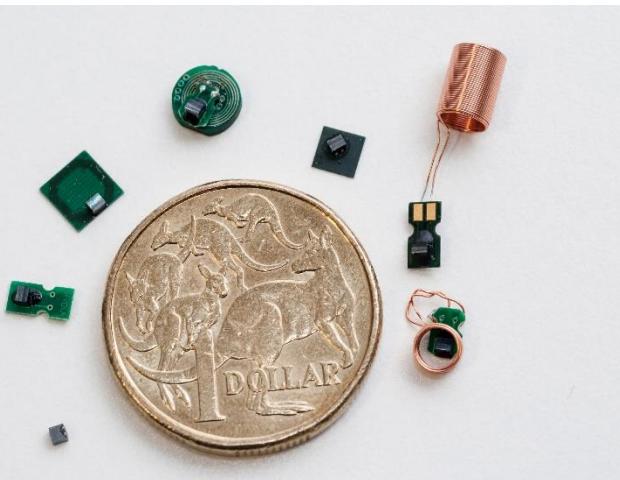
Sample tracking issues

Illegible labels due to frost, time wasted and uncontrolled temp excursions



Bluechiip core technology

Unique patented MEMS technology combining secure wireless tracking with integrated temperature sensing for extreme environments



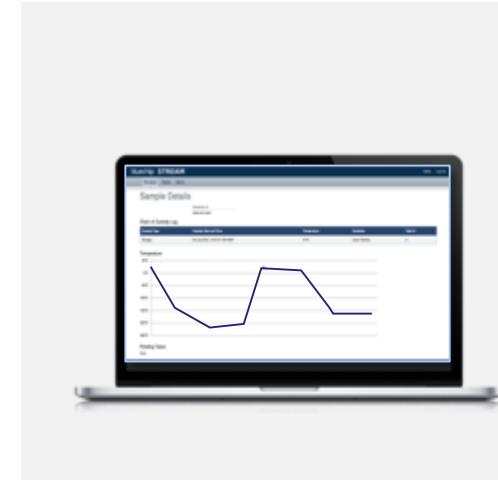
Bluechiip MEMS chip

- NOT an RFID
- Wireless
- Multiformat
- Customisable



Bluechiip enabled readers

- Single point
- Multi point
- Mobile



Sample Manager SW

- Bluechiip Stream or
- Web API to any other LIMS package



Available tracking technologies

	Human Readable	Barcodes	RFID	Bluechiip
				
Gamma Resistant 				
Cryo safe Survives extreme temps 				
Non visual ID Reads through frost 				
On-board sensor Temperature sensing 				
Reduced human error 				
Productivity improvements				

Product Range

Biobanking users



Retrofit button with tag



Co-moulded CryoVial



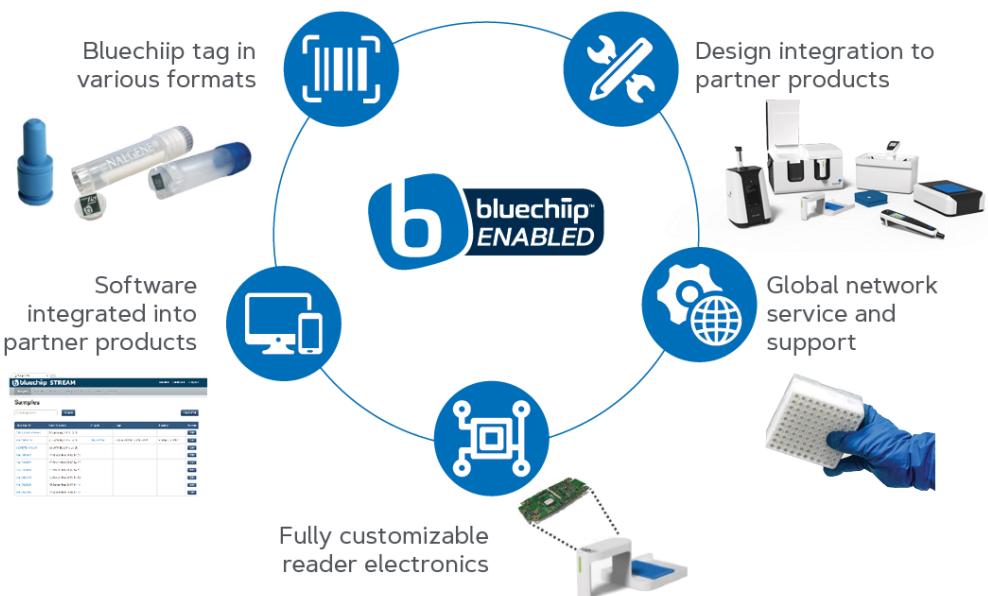
Cryotag

Cryocassette



Towers

OEM's and Automation Partnership opportunities



See **bluechiip™** product range in www.bluechiip.com



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