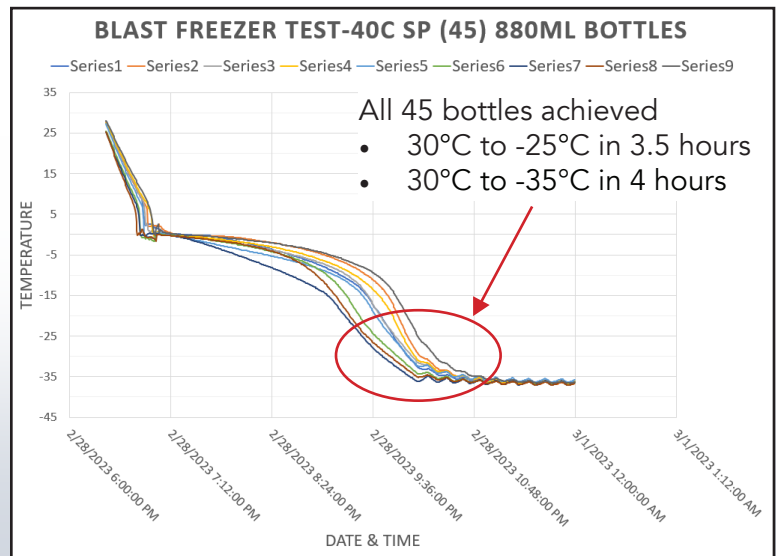# K2 SCIENTIFIC

K215SDF-BB-BF Plasma Blast Freezer

K2 Scientific's Plasma Blast Freezer is designed to rapidly condition your product using powerful dual fans to increase circulation. Over time, our high-speed cooling technology will reduce the stress on your sample storage freezer. The K215 is an **FDA approved class II medical device.**

- Meets AABB rapid plasma freezing guidelines
- Capacity: 72 plasma bottles (1L) 96 plasma bags (350ml)
- Touch screen on board temperature data logger
- Touchscreen controller with temperature graph
- 3-phase power
- Powerful dual fans for increased circulation
- Evaporator coil & condenser balanced for low power consumption

- Evaporator is epoxy coated to eliminate corrosion
- Sealed, cast iron, self-lubrificating evaporator fan motor(s) and larger fan blades with a more efficient low velocity, high volume airflow design
- Constructed with AISI 304 stainless steel
- Each cabinet undergoes three quality control checks before shipping
- 1" access port
- Warranty: two-year parts, labor, or full replacement

Touchscreen Controller

BLAST FREEZER TEST-40C SP (45) 880ML BOTTLES

Series1 — Series2 — Series3 — Series4 — Series5 — Series6 — Series7 — Series8 — Series9

All 45 bottles achieved
- 30°C to -25°C in 3.5 hours
- 30°C to -35°C in 4 hours

TEMPERATURE

DATE & TIME

MODEL NUMBER	STORAGE VOLUME	EXTERIOR Depth x Width x Height	INTERIOR Depth x Width x Height	FACTORY SETPOINT	DOORS	DEFROST	SHIPPING WEIGHT
K215SDF-BB-BF	15 cubic feet	32.84" x 30.69" x 77.28"	17.03" x 26.8" x 41.31"	-40°C	1	AUTO	597.5 lbs

Model #	K215SDF-BB-BF
Storage Volume	15 cubic feet
Specifications	
Exterior (D x W x H)	32.84" x 30.69" x 77.28"
Interior (D x W x H)	17.03" x 26.8" x 41.31"
Insulation	CFC-free, high density insulation
Doors	1, right-hand swing
Shelves	8 wire or 8 perforated flat shelves
Storage Capacity	72 plasma bottles (1L) or 96 bags (350ml)
Access Port	1" probe port
Casters	Standard
Shipping Weight	597.5 lbs
Certifications & Compliances	cULus, FDA, ISO: 9001:2015, ISO 14001:2015, ISO 13485:2016, CDC and VFC Compliant
Performance	
Recovery (in minutes)	5
Stability	+2°C / -2°C
Pulldown time to -25°C (in minutes)	20
Adjustable Set Point Range	-10°C to -40°C
Factory Set Point	-40°C
Electrical Power/Current	230v 60 Hz 16 Amp
Power Plug/Cord Length	NEMA L15-30
Indoor/Outdoor Use	Indoor use only
Application Environment	Non-corrosive, non-flammable, non-explosive
Ambient Operating Temp	20°C to 32°C
Refrigeration	
Refrigeration System	Vapor compression system, forced-air
Compressor	Hemetic sealed compressor
Condenser Type	Steel tube and fins
Expansion Device	Capillary tube
Evaporator Type	Copper aluminum coated (1000 hours tested salty fog)
Defrost	AUTO
Refrigerant	R452a
Controller/System Configuration	
User Interface	Microprocessor with digital display
Power Switch	On/Off
Controller Type	Digital Controller
Control Sensor	NTC probe
Remote Alarm Terminals	Standard
High/Low Alarms	Standard
Power Failure Alarm	Standard
Door Ajar Alarm	Standard
Warranty	Two-year parts, labor, or full replacement

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