



Southeast Scientific
770.426.6678

Customer	Emory - HSRB	
Address	1760 Haygood Drive	
City, State, Zip	Atlanta, GA, 30322	
Ph	404-727-6515	Contact Kira Moresco
	1st PM <input type="checkbox"/>	2nd PM <input checked="" type="checkbox"/>

Unit Preventative Maintenance – ULT Freezer

Date of Service: 6/22/23 Next Service Due: 12/22/23 Room # Freezer Farm
 Model # MDF-U74VC Serial # 10070648 Mfgr SANYO
 SES # 5431 Customer # DARK PHOENIX Tech CD
 NIST Meter Serial # T-150650 NIST Meter Calibration Due 9/15/25

	Pass	Fail	N/A		Pass	Fail	N/A		Yes	No	New
Door Seal	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Gaskets	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Battery Replaced		<input checked="" type="checkbox"/>	<input type="checkbox"/>
Hinges & Fastening	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Handles	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Cleaned Pre-Filter	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Door Open Switch(es)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Inner Doors	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Clean Condenser	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
PEP Heater	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Cycles at Setpoint	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	CFM Counter	<u>0.3</u>		
CFM	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Insulation Lines	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>				

Temperature

Setpoint -80C Display -80C NIST -78.9C Chart NA Adjust NA

High Stage Compressor

216 Voltage
2.0 Amperage
NA Heat Exchanger In
-36.1C Heat Exchanger Out
NA RPMs
 Inverter Normal
 Inverter Error
 Inverter N/A

Low Stage Compressor

216 Voltage
1.9 Amperage
-86.4C Evaporator In
-68.2C Evaporator Out
NA RPMs
 Inverter Normal
 Inverter Error
 Inverter N/A

CO2 /LN2 Back-Up

NA Setpoint

	Pass	Fail
Leak Check	<input type="checkbox"/>	<input type="checkbox"/>
Test	<input type="checkbox"/>	<input type="checkbox"/>

5.7 Amps Rated 220 Volts Rated -70C High Alarm Set
4.4 Unit Total Amps 10.4 Battery Charge Circuit -90C Low Alarm Set

Technician's Notes:



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Customer	Emory - HSRB
Address	1760 Haygood Drive
City, State, Zip	Atlanta, GA, 30322
Ph	404-727-6515
Contact	Kira Moresco
	1st PM <input checked="" type="checkbox"/> 2nd PM <input type="checkbox"/>

Unit Preventative Maintenance – ULT Freezer

Date of Service: 11/20/23 Next Service Due: 5/20/24 Room # Freezer Farm
 Model # MDF-U74VC Serial # 10070648 Mfgr SANYO
 SES # 5431 Customer # DARK PHOENIX Tech CD
 NIST Meter Serial # T-281182 NIST Meter Calibration Due 6/26/26

	Pass	Fail	N/A		Pass	Fail	N/A		Yes	No	New
Door Seal	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Gaskets	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Battery Replaced		<input type="checkbox"/>	<input checked="" type="checkbox"/>
Hinges & Fastening	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Handles	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Cleaned Pre-Filter	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Door Open Switch(es)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Inner Doors	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Clean Condenser	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
PEP Heater	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Cycles at Setpoint	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	CFM Counter	<u>0.7</u>		
CFM	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Insulation Lines	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>				

Temperature

Setpoint -80C Display -78C NIST -78.3C Chart NA Adjust NA

High Stage Compressor

218 Voltage
2.4 Amperage
NA Heat Exchanger In
-39.4C Heat Exchanger Out
NA RPMs
 Inverter Normal
 Inverter Error
 Inverter N/A

Low Stage Compressor

218 Voltage
2.2 Amperage
-89.6C Evaporator In
-56.2C Evaporator Out
NA RPMs
 Inverter Normal
 Inverter Error
 Inverter N/A

CO2 /LN2 Back-Up

NA Setpoint

Pass Fail

Leak Check

Test

5.7 Amps Rated 220 Volts Rated -70C High Alarm Set
5.1 Unit Total Amps 10.4 Battery Charge Circuit -90C Low Alarm Set

Technician's Notes:



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Customer	Emory - HSRB	
Address	1760 Haygood Drive	
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Ph	404-727-6515	Contact Kira Moresco
	1st PM <input type="checkbox"/>	2nd PM <input checked="" type="checkbox"/>

Unit Preventative Maintenance – ULT Freezer

Date of Service: 6/22/23 Next Service Due: 12/22/23 Room # Freezer Farm
 Model # UXF70086D Serial # 0132967401140625 Mfgr THERMO
 SES # 6711 Customer # CYCLOPS Tech CD
 NIST Meter Serial # T-150650 NIST Meter Calibration Due 9/15/25

	Pass	Fail	N/A		Pass	Fail	N/A		Yes	No	New
Door Seal	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Gaskets	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Battery Replaced		<input checked="" type="checkbox"/>	<input type="checkbox"/>
Hinges & Fastening	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Handles	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Cleaned Pre-Filter	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Door Open Switch(es)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Inner Doors	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Clean Condenser	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
PEP Heater	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Cycles at Setpoint	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	CFM Counter	<u>NA</u>		
CFM	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Insulation Lines	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>				

Temperature			
Setpoint	<u>-80C</u>	Display	<u>-79C</u>
NIST	<u>-78.6C</u>	Chart	<u>NA</u>
Adjust	<u>NA</u>		

High Stage Compressor

<u>201</u>	Voltage
<u>4.2</u>	Amperage
<u>-36.7C</u>	Heat Exchanger In
<u>-40.8C</u>	Heat Exchanger Out
<u>NA</u>	RPMs
<input type="checkbox"/>	Inverter Normal
<input type="checkbox"/>	Inverter Error
<input checked="" type="checkbox"/>	Inverter N/A

Low Stage Compressor

<u>201</u>	Voltage
<u>3.1</u>	Amperage
<u>-85.5C</u>	Evaporator In
<u>-87.9C</u>	Evaporator Out
<u>NA</u>	RPMs
<input type="checkbox"/>	Inverter Normal
<input type="checkbox"/>	Inverter Error
<input checked="" type="checkbox"/>	Inverter N/A

CO2 /LN2 Back-Up

<u>NA</u>	Setpoint
Pass Fail	
Leak Check	<input type="checkbox"/> <input type="checkbox"/>
Test	<input type="checkbox"/> <input type="checkbox"/>

<u>9</u> Amps Rated	<u>208/230</u> Volts Rated	<u>-60C</u> High Alarm Set
<u>7.8</u> Unit Total Amps	<u>13.5</u> Battery Charge Circuit	<u>-90C</u> Low Alarm Set

Technician's Notes:



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Address	1760 Haygood Drive
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Ph	404-727-6515
Contact	Kira Moresco
1 st PM	<input checked="" type="checkbox"/>
2 nd PM	<input type="checkbox"/>

Unit Preventative Maintenance – ULT Freezer

Date of Service: 11/20/23 Next Service Due: 5/20/24 Room # Freezer Farm
 Model # UXF70086D Serial # 0132967401140625 Mfg THERMO
 SES # 6711 Customer # CYCLOPS Tech CD
 NIST Meter Serial # T-281182 NIST Meter Calibration Due 6/26/26

	Pass	Fail	N/A		Pass	Fail	N/A		Yes	No	New
Door Seal	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Gaskets	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Battery Replaced		<input type="checkbox"/>	<input checked="" type="checkbox"/>
Hinges & Fastening	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Handles	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Cleaned Pre-Filter	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Door Open Switch(es)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Inner Doors	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Clean Condenser	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
PEP Heater	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Cycles at Setpoint	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	CFM Counter	<u>NA</u>		
CFM	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Insulation Lines	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>				

Temperature
 Setpoint -80C Display -79C NIST -79.6C Chart NA Adjust NA

High Stage Compressor

220 Voltage
4.2 Amperage
-34.5C Heat Exchanger In
-24.8C Heat Exchanger Out
NA RPMs

Inverter Normal
 Inverter Error
 Inverter N/A

Low Stage Compressor

220 Voltage
2.7 Amperage
-85.3C Evaporator In
-82.4C Evaporator Out
NA RPMs

Inverter Normal
 Inverter Error
 Inverter N/A

CO2 /LN2 Back-Up

NA Setpoint

Pass Fail

Leak Check

Test

9 Amps Rated 208/230 Volts Rated -60C High Alarm Set
7.4 Unit Total Amps 13.4 Battery Charge Circuit -90C Low Alarm Set

Technician's Notes:



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Customer	Emory - HSRB	
Address	1760 Haygood Drive	
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Ph	404-727-6515	Contact Kira Moresco
	1st PM <input type="checkbox"/>	2nd PM <input checked="" type="checkbox"/>

Unit Preventative Maintenance – ULT Freezer

Date of Service: 7/10/23 Next Service Due: 1/10/24 Room # FREEZER FARM
 Model # MDF-C2156VANC Serial # 10060046 Mfgr SANYO
 SES # 6781 Customer # DEADPOOL Tech CD
 NIST Meter Serial # T-281182 NIST Meter Calibration Due 6/26/26

	Pass	Fail	N/A		Pass	Fail	N/A		Yes	No	New
Door Seal	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Gaskets	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Battery Replaced		<input checked="" type="checkbox"/>	<input type="checkbox"/>
Hinges & Fastening	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Handles	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Cleaned Pre-Filter	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Door Open Switch(es)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Inner Doors	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Clean Condenser	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
PEP Heater	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Cycles at Setpoint	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	CFM Counter		<u>2178</u>	
CFM	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Insulation Lines	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>				

Temperature			
Setpoint	<u>-150C</u>	Display	<u>-150C</u>
NIST	<u>-150.3C</u>	Chart	<u>NA</u>
Adjust	<u>NA</u>		

High Stage Compressor

<u>219</u>	Voltage
<u>2.8</u>	Amperage
<u>-34.7C</u>	Heat Exchanger In
<u>-43.3C</u>	Heat Exchanger Out
<u>NA</u>	RPMs
<input type="checkbox"/>	Inverter Normal
<input type="checkbox"/>	Inverter Error
<input checked="" type="checkbox"/>	Inverter N/A

Low Stage Compressor

<u>219</u>	Voltage
<u>2.3</u>	Amperage
<u>-149.5C</u>	Evaporator In
<u>1-145.3</u>	Evaporator Out
<u>NA</u>	RPMs
<input type="checkbox"/>	Inverter Normal
<input type="checkbox"/>	Inverter Error
<input checked="" type="checkbox"/>	Inverter N/A

CO2 /LN2 Back-Up

<u>NA</u>	Setpoint	
	Pass	Fail
Leak Check	<input type="checkbox"/>	<input type="checkbox"/>
Test	<input type="checkbox"/>	<input type="checkbox"/>

8 Amps Rated 220 Volts Rated -140C High Alarm Set
5.6 Unit Total Amps 26.4 Battery Charge Circuit -160C Low Alarm Set

Technician's Notes:

DISPLAYING TO CHANGE FAN MOTOR. HX 1ST: -49.3C HX 3RD: -114.9C



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Ph	404-727-6515
Contact	Kira Moresco
	1st PM <input checked="" type="checkbox"/> 2nd PM <input type="checkbox"/>

Unit Preventative Maintenance – ULT Freezer

Date of Service: 11/21/23 Next Service Due: 5/21/24 Room # Freezer Farm
 Model # MDF-C2156VANC Serial # 10060046 Mfr SANYO
 SES # 6781 Customer # DEADPOOL Tech CD
 NIST Meter Serial # T-281182 NIST Meter Calibration Due 6/26/26

	Pass	Fail	N/A		Pass	Fail	N/A		Yes	No	New
Door Seal	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Gaskets	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Battery Replaced		<input type="checkbox"/>	<input checked="" type="checkbox"/>
Hinges & Fastening	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Handles	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Cleaned Pre-Filter	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Door Open Switch(es)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Inner Doors	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Clean Condenser	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
PEP Heater	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Cycles at Setpoint	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	CFM Counter	<u>96</u>		
CFM	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Insulation Lines	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>				

Temperature
 Setpoint -150C Display -150C NIST -149.4C Chart NA Adjust NA

High Stage Compressor

220 Voltage
2.4 Amperage
NA Heat Exchanger In
-36.1C Heat Exchanger Out
NA RPMs
 Inverter Normal
 Inverter Error
 Inverter N/A

Low Stage Compressor

220 Voltage
1.9 Amperage
-162.3C Evaporator In
-148.3C Evaporator Out
NA RPMs
 Inverter Normal
 Inverter Error
 Inverter N/A

CO2 /LN2 Back-Up

NA Setpoint

	Pass	Fail
Leak Check	<input type="checkbox"/>	<input type="checkbox"/>
Test	<input type="checkbox"/>	<input type="checkbox"/>

<u>8</u> Amps Rated	<u>220</u> Volts Rated	<u>-140C</u> High Alarm Set
<u>7.8</u> Unit Total Amps	<u>25.5</u> Battery Charge Circuit	<u>-160C</u> Low Alarm Set

Technician's Notes:
 HX 1ST: -55.8C HX 3RD: -117.0C



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Customer	Emory - HSRB
Address	1760 Haygood Drive
City, State, Zip	Atlanta, GA, 30322
Ph	404-727-6515
Contact	Kira Moresco
	1 st PM <input type="checkbox"/> 2 nd PM <input checked="" type="checkbox"/>

Unit Preventative Maintenance – ULT Freezer

Date of Service: 7/10/23 Next Service Due: 1/10/24 Room # E-397
 Model # TSU500A Serial # 0160028001160830 Mfgr THERMO
 SES # 6929 Customer # KUZKO Tech CD
 NIST Meter Serial # T-281182 NIST Meter Calibration Due 6/26/26

	Pass	Fail	N/A		Pass	Fail	N/A		Yes	No	New
Door Seal	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Gaskets	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Battery Replaced		<input checked="" type="checkbox"/>	<input type="checkbox"/>
Hinges & Fastening	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Handles	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Cleaned Pre-Filter	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Door Open Switch(es)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Inner Doors	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Clean Condenser	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
PEP Heater	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Cycles at Setpoint	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	CFM Counter	<u>NA</u>		
CFM	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Insulation Lines	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>				

Temperature			
Setpoint	<u>-80C</u>	Display	<u>-79C</u>
NIST	<u>-79.2C</u>	Chart	<u>NA</u>
Adjust	<u>NA</u>		

High Stage Compressor

<u>112</u>	Voltage
<u>7.5</u>	Amperage
<u>-40.5C</u>	Heat Exchanger In
<u>-39.1C</u>	Heat Exchanger Out
<u>NA</u>	RPMs
<input type="checkbox"/>	Inverter Normal
<input type="checkbox"/>	Inverter Error
<input checked="" type="checkbox"/>	Inverter N/A

Low Stage Compressor

<u>112</u>	Voltage
<u>4.9</u>	Amperage
<u>-92.4C</u>	Evaporator In
<u>-81.7C</u>	Evaporator Out
<u>NA</u>	RPMs
<input type="checkbox"/>	Inverter Normal
<input type="checkbox"/>	Inverter Error
<input checked="" type="checkbox"/>	Inverter N/A

CO2 /LN2 Back-Up

<u>NA</u>	Setpoint
	Pass Fail
Leak Check	<input type="checkbox"/> <input type="checkbox"/>
Test	<input type="checkbox"/> <input type="checkbox"/>

<u>16</u>	Amps Rated	<u>115</u>	Volts Rated	<u>-40C</u>	High Alarm Set
<u>12.9</u>	Unit Total Amps	<u>13.5</u>	Battery Charge Circuit	<u>-99C</u>	Low Alarm Set

Technician's Notes:



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Customer	Emory - HSRB
Address	1760 Haygood Drive
City, State, Zip	Atlanta, GA, 30322
Ph	404-727-6515
Contact	Kira Moresco
	1 st PM <input checked="" type="checkbox"/> 2 nd PM <input type="checkbox"/>

Unit Preventative Maintenance – ULT Freezer

Date of Service: 12/7/23 Next Service Due: 6/7/24 Room # 397
 Model # TSU500A Serial # 0160028001160830 Mfg THERMO
 SES # 6929 Customer # KUSZCO Tech CD
 NIST Meter Serial # T-281182 NIST Meter Calibration Due 6/26/26

	Pass	Fail	N/A		Pass	Fail	N/A		Yes	No	New
Door Seal	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Gaskets	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Battery Replaced		<input type="checkbox"/>	<input checked="" type="checkbox"/>
Hinges & Fastening	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Handles	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Cleaned Pre-Filter	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Door Open Switch(es)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Inner Doors	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Clean Condenser	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
PEP Heater	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Cycles at Setpoint	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	CFM Counter	<u>NA</u>		
CFM	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Insulation Lines	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>				

Temperature

Setpoint -80C Display -79C NIST -78.8C Chart NA Adjust NA

High Stage Compressor

116 Voltage
8.6 Amperage
-35.3C Heat Exchanger In
-33.8C Heat Exchanger Out
NA RPMs

Inverter Normal
 Inverter Error
 Inverter N/A

Low Stage Compressor

116 Voltage
5.5 Amperage
-88.5C Evaporator In
-83.8C Evaporator Out
NA RPMs

Inverter Normal
 Inverter Error
 Inverter N/A

CO2 /LN2 Back-Up

NA Setpoint

Pass Fail

Leak Check

Test

16 Amps Rated 115 Volts Rated -44C High Alarm Set
14.6 Unit Total Amps 13.4 Battery Charge Circuit -99C Low Alarm Set

Technician's Notes:
UNIT NEEDS TO BE DEFROSTED AND PART OF THE LOW STAGE NEEDS REINSULATED



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Customer	Childrens Healthcare of Atlanta		
Address	1400 Tullie Road		
City, State, Zip	Atlanta GA 30329		
Ph	404-852-0765	Contact	Mimi Le
	1 st PM <input type="checkbox"/>		2 nd PM <input checked="" type="checkbox"/>

Unit Preventative Maintenance – Refrigerator / Freezer

Date of Service: 3/21/23 Next Service Due: 9/21/23 Room # 5126
 Model # HCUCFS-0420 Serial # VWR-041805280116-1808 Mfgr VWR
 SES # 9424 Customer # Okoye Tech Jaim
 NIST Meter Serial # T-310386 NIST Meter Calibration Due 7/27/23

	Pass	Fail	N/A	NEW		Yes	No	N/A
Door Seal	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		Evap Drain Clear	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Hinges	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		CFM	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Battery	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Clean Condenser	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Gaskets	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		Insulation Lines	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Handles	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>					

Temperature

Setpoint -20C Display N/A NIST -19C Chart Recorder N/A Adjust N/A

Compressor

114 Voltage 0.4 Amperage

0.5 Unit Total Amperage N/A High Alarm Set N/A Battery Charge Circuit
0.8 Amps Rated N/A Low Alarm Set Good Wiring Connections
115 Volts Rated

Technician's Notes:

Unit has excessive ice buildup, recommend full defrost



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Customer	Childrens Healthcare of Atlanta		
Address	1400 Tullie Road		
City, State, Zip	Atlanta GA 30329		
Ph	404-852-0765	Contact	Mimi Le
	1 st PM <input checked="" type="checkbox"/>		2 nd PM <input type="checkbox"/>

Unit Preventative Maintenance – Refrigerator / Freezer

Date of Service: 9/13/23 Next Service Due: 3/13/24 Room # 5126
 Model # HCUCFS-0420 Serial # VWR-041805280116-1808 Mfgr VWR
 SES # 9424 Customer # _____ Tech Jaim
 NIST Meter Serial # T-150650 NIST Meter Calibration Due 9/15/25

	Pass	Fail	N/A	NEW		Yes	No	N/A
Door Seal	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		Evap Drain Clear	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Hinges	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		CFM	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Battery	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Clean Condenser	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Gaskets	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		Insulation Lines	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Handles	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>					

Temperature					
Setpoint	<u>#2</u>	Display	<u>N/A</u>	NIST	<u>4.8C</u>
Chart Recorder	<u>N/A</u>	Adjust	<u>N/A</u>		

Compressor		
<u>114</u> Voltage	<u>0.4</u> Amperage	<input type="checkbox"/> Inverter Normal <input checked="" type="checkbox"/> No Inverter <input type="checkbox"/> Inverter Error (See Notes)

<u>0.5</u> Unit Total Amperage	<u>N/A</u>	High Alarm Set	<u>N/A</u>	Battery Charge Circuit
<u>0.8</u> Amps Rated	<u>N/A</u>	Low Alarm Set	<u>Good</u>	Wiring Connections
<u>115</u> Volts Rated				

Technician's Notes:



Southeast Scientific
770.426.6678

Customer	Childrens Healthcare of Atlanta		
Address	1400 Tullie Road		
City, State, Zip	Atlanta GA 30329		
Ph	404-852-0765	Contact	Mimi Le
	1st PM <input type="checkbox"/>		2nd PM <input checked="" type="checkbox"/>

Unit Preventative Maintenance – Refrigerator / Freezer

Date of Service: 3/21/23 Next Service Due: 9/21/23 Room # 5126
 Model # HCUCFS-0404 Serial # VWR-051808050362-1809 Mfgr VWR
 SES # 9425 Customer # Shuri Tech Jaim
 NIST Meter Serial # T-310386 NIST Meter Calibration Due 7/27/23

	Pass	Fail	N/A	NEW		Yes	No	N/A
Door Seal	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		Evap Drain Clear	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Hinges	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		CFM	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Battery	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Clean Condenser	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Gaskets	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		Insulation Lines	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Handles	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>					

Temperature

Setpoint 4.0C Display N/A NIST 3.5C Chart Recorder N/A Adjust N/A

Compressor

114 Voltage 0.5 Amperage

0.6 Unit Total Amperage N/A High Alarm Set N/A Battery Charge Circuit
0.9 Amps Rated N/A Low Alarm Set Good Wiring Connections
115 Volts Rated

Technician's Notes:



Southeast Scientific
770.426.6678

Customer	Childrens Healthcare of Atlanta		
Address	1400 Tullie Road		
City, State, Zip	Atlanta GA 30329		
Ph	404-852-0765	Contact	Mimi Le
	1 st PM <input checked="" type="checkbox"/>		2 nd PM <input type="checkbox"/>

Unit Preventative Maintenance – Refrigerator / Freezer

Date of Service: 9/13/23 Next Service Due: 3/13/24 Room # 5126
 Model # HCUCFS-0404 Serial # VWR-051808050362-1809 Mfgr VWR
 SES # 9425 Customer # _____ Tech Jaim
 NIST Meter Serial # T-150650 NIST Meter Calibration Due 9/15/25

	Pass	Fail	N/A	NEW		Yes	No	N/A
Door Seal	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		Evap Drain Clear	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Hinges	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		CFM	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Battery	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Clean Condenser	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Gaskets	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		Insulation Lines	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Handles	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>					

Temperature

Setpoint #7 Display N/A NIST -21.9C Chart Recorder N/A Adjust N/A

Compressor

114 Voltage 0.5 Amperage

Inverter Normal
 No Inverter
 Inverter Error (See Notes)

0.6 Unit Total Amperage N/A High Alarm Set N/A Battery Charge Circuit
0.9 Amps Rated N/A Low Alarm Set Good Wiring Connections
115 Volts Rated

Technician's Notes:



Southeast Scientific

770.426.6678

Customer	Emory - HSRB
Address	1760 Haygood Dr
City, State, Zip	Atlanta, GA 30322
Ph	404 727 6515
Contact	Kira Moresco
	1 st PM <input type="checkbox"/> 2 nd PM <input checked="" type="checkbox"/>

Unit Preventative Maintenance – Stirling ULT

Date of Service: 7/6/23 Next Service Due: 1/6/24 Room # Freezer Farm
 Model # SU780XLE Serial # 21080-16464 Mfg Stirling
 SES # 10851 Customer # _____ Tech KM
 NIST Meter Serial # T-285378 NIST Meter Calibration Due 10/6/23

	Pass	Fail	N/A		Pass	Fail	N/A		Yes	No	New
Door Seal	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Gaskets	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Battery Replaced		<input checked="" type="checkbox"/>	<input type="checkbox"/>
Hinges	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Handles	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>				
Door Open Switch(es)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Inner Doors	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>				
PEP Heater	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Cycles at Setpoint	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>				
Engine Fans	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Fastening	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>				

Temperature

Setpoint -80c Display -79c NIST -78.3c Chart NA Adjust NA

Engine Compressor

109 Voltage
3.2 Amperage
-95c Cold Head
37c Warm Head
252 Watts

CO2 /LN2 Back-Up

NA Setpoint

Pass Fail

Leak Check

Test

5-10 Amps Rated 120-240 Volts Rated -60c High Alarm Set
NA Unit Total Amps 7.1 Battery Charge Circuit -90c Low Alarm Set

Technician's Notes:



Southeast Scientific

770.426.6678

Customer	Emory - HSRB	
Address	1760 Haygood Drive	
City, State, Zip	Atlanta, GA, 30322	
Ph	404-626-6515	Contact Kira Moresco
	1st PM <input checked="" type="checkbox"/>	2nd PM <input type="checkbox"/>

Unit Preventative Maintenance – Stirling ULT

Date of Service: 11/21/23 Next Service Due: 5/21/24 Room # FREEZER FARM
 Model # SU780XLE Serial # 21080-16464 Mfg STIRLING
 SES # 10851 Customer # DAVID ROSE Tech CD
 NIST Meter Serial # T-281182 NIST Meter Calibration Due 6/26/26

	Pass	Fail	N/A		Pass	Fail	N/A		Yes	No	New
Door Seal	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Gaskets	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Battery Replaced		<input type="checkbox"/>	<input checked="" type="checkbox"/>
Hinges	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Handles	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>				
Door Open Switch(es)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Inner Doors	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>				
PEP Heater	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Cycles at Setpoint	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>				
Engine Fans	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Fastening	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>				

Temperature

Setpoint -80C Display -80C NIST -80.3C Chart NA Adjust NA

Engine Compressor

107 Voltage

3.2 Amperage

-96C Cold Head

36C Warm Head

263 Watts

CO2 /LN2 Back-Up

NA Setpoint

Pass Fail

Leak Check

Test

5~10 Amps Rated 120/240 Volts Rated -75C High Alarm Set
5.2 Unit Total Amps 6.29 Battery Charge Circuit -100C Low Alarm Set

Technician's Notes:



Southeast Scientific

770.426.6678

Customer	Emory - HSRB
Address	1760 Haygood Dr
City, State, Zip	Atlanta, GA 30322
Ph	404 727 6515
Contact	Kira Moresco
	1 st PM <input type="checkbox"/> 2 nd PM <input checked="" type="checkbox"/>

Unit Preventative Maintenance – Stirling ULT

Date of Service: 7/6/23 Next Service Due: 1/6/24 Room # Freezer Farm
 Model # SU780XLE Serial # 21080-16462 Mfg Stirling
 SES # 10852 Customer # _____ Tech KM
 NIST Meter Serial # T-285378 NIST Meter Calibration Due 10/6/23

	Pass	Fail	N/A		Pass	Fail	N/A		Yes	No	New
Door Seal	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Gaskets	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Battery Replaced		<input checked="" type="checkbox"/>	<input type="checkbox"/>
Hinges	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Handles	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>				
Door Open Switch(es)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Inner Doors	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>				
PEP Heater	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Cycles at Setpoint	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>				
Engine Fans	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Fastening	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>				

Temperature

Setpoint -80c Display -79c NIST -78.3c Chart NA Adjust NA

Engine Compressor

113 Voltage
3.0 Amperage
-96c Cold Head
40c Warm Head
267 Watts

CO2 /LN2 Back-Up

NA Setpoint

Pass Fail

Leak Check

Test

5-10 Amps Rated 120-240 Volts Rated -60c High Alarm Set
NA Unit Total Amps 7.1 Battery Charge Circuit -90c Low Alarm Set

Technician's Notes:



Southeast Scientific

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Customer	Emory - HSRB
Address	1760 Haygood Drive
City, State, Zip	Atlanta, GA, 30322
Ph	404-626-6515
Contact	Kira Moresco
	1 st PM <input checked="" type="checkbox"/> 2 nd PM <input type="checkbox"/>

Unit Preventative Maintenance – Stirling ULT

Date of Service: 11/21/23 Next Service Due: 5/21/24 Room # FREEZER FARM
 Model # SU780XLE Serial # 21080-16462 Mfgr STIRLING
 SES # 10852 Customer # JOHNNY ROSE Tech CD
 NIST Meter Serial # T-281182 NIST Meter Calibration Due 6/26/26

	Pass	Fail	N/A		Pass	Fail	N/A		Yes	No	New
Door Seal	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Gaskets	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Battery Replaced		<input type="checkbox"/>	<input checked="" type="checkbox"/>
Hinges	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Handles	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>				
Door Open Switch(es)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Inner Doors	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>				
PEP Heater	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Cycles at Setpoint	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>				
Engine Fans	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Fastening	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>				

Temperature

Setpoint -80C Display -80C NIST -79.3C Chart NA Adjust NA

Engine Compressor

106 Voltage
3.1 Amperage
-96C Cold Head
40C Warm Head
247 Watts

CO2 /LN2 Back-Up

NA Setpoint

Pass Fail

Leak Check

Test

5~10 Amps Rated 120/240 Volts Rated -75C High Alarm Set
5 Unit Total Amps 6.3 Battery Charge Circuit -100C Low Alarm Set

Technician's Notes:



Southeast Scientific
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Customer	Emory - HSRB
Address	1760 Haygood Drive
City, State, Zip	Atlanta, GA, 30322
Ph	404-727-6515
Contact	Kira Moresco
	1 st PM <input type="checkbox"/> 2 nd PM <input checked="" type="checkbox"/>

Unit Preventative Maintenance – ULT Twin Guard

Date of Service: 7/10/23 Next Service Due: 1/10/24 Room # FREEZER FARM
 Model # MDF-DU702VXC-PA Serial # 19120503 Mfg# PHCBI
 SES # 10853 Customer # STORM Tech CD
 NIST Meter Serial # T-281182 NIST Meter Calibration Due 6/26/26

	New	Pass	Fail	N/A		Pass	Fail	N/A	Counter	Pass	Fail	N/A
Door Seal	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Clean Pre-Filter	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Pep Heater	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Battery	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Cycles at Setpoint	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Hinges & Fastening	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Clean Condenser	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Gaskets	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	CFM(s) <u>916</u>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Insulation Lines	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Handles	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Alarm Test	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Door Open Switch(es)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Inner Doors	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Wiring Connections	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

Temperature

Setpoint -80C Display -79C NIST -79.3C Chart Recorder NA Adjust NA

System A Compressor

<u>219</u> Voltage	<u>-89.4C</u> LEVA In
<u>3.5</u> Amperage	<u>-79.9C</u> LEVA Out

System B Compressor

<u>219</u> Voltage	<u>-85.3C</u> LEVA In
<u>3.5</u> Amperage	<u>-78.7C</u> LEVA Out

Unit Total Amperage 7.5 Volts Rated 220 High Alarm Set -70C
 Amps Rated 7.7 Battery Circuit Charge 6.6 Low Alarm Set -90C

CO2 Back-up System

	Pass	Fail	N/A	
Leak Check	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Set Point <u>NA</u> Test <u>NA</u>

Technician's Notes:

HX 1ST: -54.1C HX 2ND: -52.9C. UNIT HAS AN OPEN AIRED CONDENSER - NO FILTER MATERIAL



Southeast Scientific
770.426.6678

Customer	Emory - HSRB		
Address	1760 Haygood Drive		
City, State, Zip	Atlanta, GA, 30322		
Ph	404-727-6515	Contact	Kira Moresco
	1 st PM <input checked="" type="checkbox"/>		2 nd PM <input type="checkbox"/>

Unit Preventative Maintenance – ULT Twin Guard

Date of Service: 11/21/23 Next Service Due: 5/21/24 Room # Freezer Farm
 Model # MDF-DU702VXC-PA Serial # 19120503 Mfg PHCBI
 SES # 10853 Customer # STORM Tech CD
 NIST Meter Serial # T-281182 NIST Meter Calibration Due 6/26/26

New Pass Fail N/A				Pass Fail N/A				Counter Pass Fail N/A			
Door Seal	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Clean Pre-Filter	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Pep Heater	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Battery	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Cycles at Setpoint	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Hinges & Fastening	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Clean Condenser	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Gaskets	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	CFM(s) <u>1050</u>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Insulation Lines	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Handles	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Alarm Test	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Door Open Switch(es)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Inner Doors	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Wiring Connections	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

Temperature

Setpoint -80C Display -79C NIST -79.3C Chart Recorder NA Adjust NA

System A Compressor

220 Voltage -101.0C LEVA In
3.8 Amperage -82.6C LEVA Out

System B Compressor

220 Voltage -101.3C LEVA In
3.8 Amperage -81.9C LEVA Out

Unit Total Amperage 7.3 Volts Rated 220 High Alarm Set -70C
 Amps Rated 7.7 Battery Circuit Charge 6.6 Low Alarm Set -90C

CO2 Back-up System

Leak Check Pass Fail N/A
 Set Point NA Test NA

Technician's Notes:
 HX 1: -61.3C HX 2: -61.1C



Southeast Scientific
770.426.6678

Customer	Emory - HSRB
Address	1760 Haygood Drive
City, State, Zip	Atlanta, GA, 30322
Ph	404-727-6515
Contact	Kira Moresco
	1 st PM <input type="checkbox"/> 2 nd PM <input checked="" type="checkbox"/>

Unit Preventative Maintenance – ULT Twin Guard

Date of Service: 6/22/23 Next Service Due: 12/22/23 Room # Freezer Farm
 Model # MDF-DU701VXC Serial # 20050171 Mfgr PHCBI
 SES # 11054 Customer # WOLVERINE Tech CD
 NIST Meter Serial # T-150650 NIST Meter Calibration Due 9/15/25

	New	Pass	Fail	N/A		Pass	Fail	N/A		Counter	Pass	Fail	N/A
Door Seal	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Clean Pre-Filter	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Pep Heater	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Battery	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Cycles at Setpoint	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Hinges & Fastening	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Clean Condenser	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Gaskets	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	CFM(s) <u>1055</u>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Insulation Lines	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Handles	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Alarm Test	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Door Open Switch(es)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Inner Doors	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Wiring Connections	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

Temperature

Setpoint -80C Display -79C NIST -78.4C Chart Recorder NA Adjust NA

System A Compressor

218 Voltage -97.1C LEVA In
2.2 Amperage -80.6C LEVA Out

System B Compressor

218 Voltage -101.3C LEVA In
2.1 Amperage -80.7C LEVA Out

Unit Total Amperage 4.8 Volts Rated 220 High Alarm Set -70C
 Amps Rated 7.7 Battery Circuit Charge 6.5 Low Alarm Set -90C

CO2 Back-up System

Leak Check Pass Fail N/A
 Set Point NA Test NA

Technician's Notes:

HX 1ST: -61.1C HX 2ND: -63.9C



Southeast Scientific
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Customer	Emory - HSRB
Address	1760 Haygood Drive
City, State, Zip	Atlanta, GA, 30322
Ph	404-727-6515
Contact	Kira Moresco
	1st PM <input checked="" type="checkbox"/> 2nd PM <input type="checkbox"/>

Unit Preventative Maintenance – ULT Twin Guard

Date of Service: 11/21/23 Next Service Due: 5/21/24 Room # Freezer Farm
 Model # MDF-DU702VXC-PA Serial # 20050171 Mfrgr PHCBI
 SES # 11054 Customer # WOLVERINE Tech CD
 NIST Meter Serial # T-281182 NIST Meter Calibration Due 6/26/26

New Pass Fail N/A				Pass Fail N/A				Counter Pass Fail N/A			
Door Seal	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Clean Pre-Filter	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Pep Heater	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Battery	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Cycles at Setpoint	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Hinges & Fastening	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Clean Condenser	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Gaskets	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	CFM(s) <u>1208</u>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Insulation Lines	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Handles	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Alarm Test	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Door Open Switch(es)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Inner Doors	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Wiring Connections	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

Temperature

Setpoint -80C Display -79C NIST -79.4C Chart Recorder NA Adjust NA

System A Compressor

220 Voltage -102.2C LEVA In
3.7 Amperage -80.6C LEVA Out

System B Compressor

220 Voltage -100.5C LEVA In
3.5 Amperage -80.8C LEVA Out

Unit Total Amperage 7.5 Volts Rated 220 High Alarm Set -70C
 Amps Rated 7.7 Battery Circuit Charge 6.5 Low Alarm Set -90C

CO2 Back-up System

Leak Check Pass Fail N/A
 Set Point NA Test NA

Technician's Notes:
 HX 1ST: -63.1C HX 2ND: -64.7C



Southeast Scientific
770.426.6678

Customer	Emory - HSRB
Address	1760 Haygood Drive
City, State, Zip	Atlanta, GA, 30322
Ph	404-727-6515
Contact	Kira Moresco
	1 st PM <input type="checkbox"/> 2 nd PM <input checked="" type="checkbox"/>

Unit Preventative Maintenance – Stirling ULT

Date of Service: 7/7/23 Next Service Due: 1/7/24 Room # E-263
 Model # SU780XLE Serial # 21110-17482 Mfgr STIRLING
 SES # 11961 Customer # CAPTAIN AMERICA Tech CD
 NIST Meter Serial # T-281182 NIST Meter Calibration Due 6/26/26

	Pass	Fail	N/A		Pass	Fail	N/A		Yes	No	New
Door Seal	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Gaskets	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Battery Replaced		<input checked="" type="checkbox"/>	<input type="checkbox"/>
Hinges	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Handles	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>				
Door Open Switch(es)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Inner Doors	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>				
PEP Heater	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Cycles at Setpoint	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>				
Engine Fans	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Fastening	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>				

Temperature

Setpoint -80C Display -80C NIST -78.9C Chart NA Adjust NA

Engine Compressor

104.2 Voltage

3.2 Amperage

-93C Cold Head

36C Warm Head

269 Watts

CO2 /LN2 Back-Up

NA Setpoint

Pass Fail

Leak Check

Test

10-5 Amps Rated 120-240 Volts Rated -70C High Alarm Set
5 Unit Total Amps 6.34 Battery Charge Circuit -90C Low Alarm Set

Technician's Notes:

Premium Care

Southeast Scientific
770.426.6678

Customer	Emory - HSRB
Address	1760 Haygood Drive
City, State, Zip	Atlanta, GA, 30322
Ph	404-727-6515
Contact	Kira Moresco
	1 st PM <input checked="" type="checkbox"/> 2 nd PM <input type="checkbox"/>

Unit Preventative Maintenance – Stirling ULT

Date of Service: 12/7/23 Next Service Due: 6/7/24 Room # 263
 Model # SU780XLE Serial # 21110-17482 Mfgr STIRLING
 SES # 11961 Customer # CAPTAIN AMERICA Tech CD
 NIST Meter Serial # T-281182 NIST Meter Calibration Due 6/26/26

	Pass	Fail	N/A		Pass	Fail	N/A		Yes	No	New
Door Seal	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Gaskets	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Battery Replaced	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
Hinges	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Handles	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>				
Door Open Switch(es)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Inner Doors	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>				
PEP Heater	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Cycles at Setpoint	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>				
Engine Fans	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Fastening	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>				

Temperature

Setpoint -80C Display -79C NIST -78.2C Chart NA Adjust NA

Engine Compressor

117 Voltage
3.6 Amperage
-97C Cold Head
36C Warm Head
337 Watts

CO2 /LN2 Back-Up

NA Setpoint

Pass Fail

Leak Check

Test

5/10 Amps Rated 120/240 Volts Rated -75C High Alarm Set
5 Unit Total Amps 6.35 Battery Charge Circuit -100C Low Alarm Set

Technician's Notes:



Southeast Scientific
770.426.6678

Customer	Emory - HSRB	
Address	1760 Haygood Drive	
City, State, Zip	Atlanta, GA, 30322	
Ph	404-727-6515	Contact Kira Moresco
	1st PM <input type="checkbox"/>	2nd PM <input checked="" type="checkbox"/>

Unit Preventative Maintenance – Stirling ULT

Date of Service: 7/7/23 Next Service Due: 1/7/24 Room # E-263
 Model # SU780XLE Serial # 21110-17450 Mfgr STIRLING
 SES # 11962 Customer # CAPTAIN MARVEL Tech CD
 NIST Meter Serial # T-281182 NIST Meter Calibration Due 6/26/26

	Pass	Fail	N/A		Pass	Fail	N/A		Yes	No	New
Door Seal	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Gaskets	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Battery Replaced		<input checked="" type="checkbox"/>	<input type="checkbox"/>
Hinges	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Handles	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>				
Door Open Switch(es)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Inner Doors	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>				
PEP Heater	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Cycles at Setpoint	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>				
Engine Fans	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Fastening	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>				

Temperature

Setpoint -80C Display -80C NIST -78.9C Chart NA Adjust NA

Engine Compressor

103.7 Voltage
3.1 Amperage
-92C Cold Head
36C Warm Head
250 Watts

CO2 /LN2 Back-Up

NA Setpoint

Pass Fail

Leak Check

Test

10-5 Amps Rated 120-240 Volts Rated -75C High Alarm Set
5 Unit Total Amps 6.3 Battery Charge Circuit -100C Low Alarm Set

Technician's Notes:



Southeast Scientific
770.426.6678

Customer	Emory - HSRB
Address	1760 Haygood Drive
City, State, Zip	Atlanta, GA, 30322
Ph	404-727-6515
Contact	Kira Moresco
	1st PM <input checked="" type="checkbox"/>
	2nd PM <input type="checkbox"/>

Unit Preventative Maintenance – Stirling ULT

Date of Service: 12/7/23 Next Service Due: 6/7/24 Room # 263
 Model # SU780XLE Serial # 21110-17450 Mfg STIRLING
 SES # 11962 Customer # CAPTAIN MARVEL Tech CD
 NIST Meter Serial # T-281182 NIST Meter Calibration Due 6/26/26

	Pass	Fail	N/A		Pass	Fail	N/A		Yes	No	New
Door Seal	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Gaskets	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Battery Replaced	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
Hinges	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Handles	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>				
Door Open Switch(es)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Inner Doors	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>				
PEP Heater	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Cycles at Setpoint	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>				
Engine Fans	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Fastening	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>				

Temperature

Setpoint -80C Display -79C NIST -79.1C Chart NA Adjust NA

Engine Compressor

114 Voltage
3.4 Amperage
-93C Cold Head
35C Warm Head
297 Watts

CO2 /LN2 Back-Up

NA Setpoint

Pass Fail

Leak Check

Test

5/10 Amps Rated 120/240 Volts Rated -75C High Alarm Set
5 Unit Total Amps 6.27 Battery Charge Circuit -100C Low Alarm Set

Technician's Notes:
