

# CTSU Lab Room Freezer Min/Max Temperature Log

**Maintain temperature between -65°C to -90°C**

1124092101210920 (-80 Freezer Sudler)

Refrigerator or Freezer ID/Location:  
CTSU RAINBOW

Month 12      Decemb  
er      Year 2024      Threshold: 4 hours

Document the details of any temperature excursion in comments below. Alert study team if excursion exceeds threshold.

Date (Weekdays only)	Time	Actual Temp	Min °C	Max °C	Initials	Comments
Mon 12/2/2024	0947	-81	-79	-81	MW	
Tue 12/3/2024	0950	-79	-79	-81	PL	
Wed 12/4/2024	0758	-81	-72	-81	PL	
Thu 12/5/2024	0530	-81	-81	-81	MW	
Fri 12/6/2024	0800	-81	-77	-81	PL	
Mon 12/9/2024	0744	-81	-78	-81	PL	
12/10/2024	1036	-81	-74	-81	PL	
Wed 12/11/2024	0900	-79	-71	-81	DH	
Thu 12/12/2024	0540	-81	-80	-81	MW	
Fri 12/13/2024	0820	-81	-61	-81	DH	* Heavy usage
Mon 12/16/2024	0948	-81	-81	-81	PL	
Tue 12/17/2024	0813	-80	-79	-81	PL	
Wed 12/18/2024	1236	-79	-72	-81	PL	
Thu 12/19/2024	1640	-70	-70	-81	DH	
Fri 12/20/2024	1020	-81	-70	-81	MW	
Mon 12/23/2024	0830	-79	-79	-81	MW	
Tue 12/24/2024					MW	Closed for the holiday
Wed 12/25/2024					MW	Closed for Winter Break
Thu 12/26/2024						
Fri 12/27/2024						
Mon 12/30/2024						
Tue 12/31/2024						
Wed 1/1/2025						

Key: \* Heavy usage

# CTSU Lab Room Freezer Min/Max Temperature Log

**Maintain temperature between -65°C to -90°C**

1124092101210920 (-80 Freezer Sudler)

Refrigerator or Freezer ID/Location:  
CTSU RAINBOW

Month 11      November      Year 2024      Threshold: 4 hours

Document the details of any temperature excursion in comments below. Alert study team if excursion exceeds threshold.

Date (Weekdays only)	Time	Actual Temp	Min °C	Max °C	Initials	Comments
Fri 11/1/2024	0727	-80	-79	-80	MW	
Mon 11/4/2024	0738	-79	-79	-79	MW	
Tue 11/5/2024	0553	-81	-78	-81	MW	
Wed 11/6/2024	1220	-80	-78	-81	DH	
Thu 11/7/2024	1600	-70	-62	-81	DH	* Heavy usage, scraping ice
Fri 11/8/2024	0800	-79	-70	-81	DH	
11/11/2024	<del>_____</del>					
Tue 11/12/2024	0540	-81	-81	-81	MW	
Wed 11/13/2024	0540	-81	-81	-81	MW	
Thu 11/14/2024	0615	-81	-81	-81	MW	
Fri 11/15/2024	1020	-79	-77	-81	DH	
Mon 11/18/2024	0655	-80	-79	-81	MW	
Tue 11/19/2024	0608	-81	-79	-81	MW	
Wed 11/20/2024	012	-81	-77	-81	PL	
Thu 11/21/2024	0638	-81	-79	-81	MW	
Fri 11/22/2024	0630	-81	-81	-81	MW	
Mon 11/25/2024	0840	-81	-75	-81	PL	
Tue 11/26/2024	0855	-81	-71	-81	PL	
Wed 11/27/2024	0950	-81	-77	-81	DH	
Thu 11/28/2024	Thanks giving _____					
Fri 11/29/2024	Closed _____					
Mon 12/2/2024						
Tue 12/3/2024						

Key: \* Heavy usage

# CTSU Lab Room Freezer Min/Max Temperature Log

**Maintain temperature between -65°C to -90°C**

1124092101210920 (-80 Freezer Sudler)

Refrigerator or Freezer ID/Location:  
CTSU RAINBOW

Month **10** October Year **2024** Threshold: 4 hours

Document the details of any temperature excursion in comments below. Alert study team if excursion exceeds threshold.

Date (Weekdays only)	Time	Actual Temp	Min °C	Max °C	Initials	Comments	
Tue	10/1/2024	0600	-80	-75	-81	MW	
Wed	10/2/2024	0720	-79	-79	-79	MW	
Thu	10/3/2024	0740	-79	-79	-79	MW	
Fri	10/4/2024	0815	-80	-80	-81	MW	
Mon	10/7/2024	0750	-79	-79	-81	MW	
Tue	10/8/2024	0755	-80	-77	-81	PL	
	10/9/2024	0933	-77	-74	-81	PL	
Thu	10/10/2024	0736	-79	-79	-81	MW	
Fri	10/11/2024	1402	-79	-79	-79	MW	
Mon	10/14/2024	0800	-81	-79	-81	PL	
Tue	10/15/2024	1001	-80	-79	-81	PL	
Wed	10/16/2024	0630	-80	-79	-81	MW	
Thu	10/17/2024	0726	-80	-79	-81	MW	
Fri	10/18/2024	0915	-80	-79	-81	DT	
Mon	10/21/2024	0905	-81	-78	-81	DT	
Tue	10/22/2024	0900	-79	-69	-81	DT	
Wed	10/23/2024	0606	-81	-81	-81	MW	
Thu	10/24/2024	1411	-79	-78	-81	MW	
Fri	10/25/2024	0611	-81	-79	-81	MW	-
Mon	10/28/2024	0808	-81	-79	-81	R	
Tue	10/29/2024	0720	-81	-77	-81	MW	
Wed	10/30/2024	0620	-81	-77	-81	MW	
Thu	10/31/2024	0740	-81	-81	-81	MW	

Key: \* Heavy usage

# CTSU Lab Room Freezer Min/Max Temperature Log

**Maintain temperature between -65°C to -90°C**

1124092101210920 (-80 Freezer Sudler)

Refrigerator or Freezer ID/Location:  
CTSU RAINBOW

Month 9 September Year 2024 Threshold: 4 hours

Document the details of any temperature excursion in comments below. Alert study team if excursion exceeds threshold.

Date (Weekdays only)	Time	Actual Temp	Min °C	Max °C	Initials	Comments
Mon 9/2/2024	0744	-81	-79	-81	MW	Holiday
Tue 9/3/2024	0744	-81	-79	-81	PL	
Wed 9/4/2024	0924	-81	-81	-81	PL	
Thu 9/5/2024	0710	-81	-79	-81	MW	
Fri 9/6/2024	0720	-81	-79	-81	MW	
Mon 9/9/2024	0842	-79	-79	-81	PL	
9/10/2024	0729	-81	-74	-81	MW	
Wed 9/11/2024	0743	-81	-78	-81	MW	
Thu 9/12/2024	0743	-81	-78	-81	MW	
Fri 9/13/2024	0917	-81	-77	-81	PL	
Mon 9/16/2024	0814	-80	-79	-81	PL	
Tue 9/17/2024	0636	-79	-78	-81	MW	
Wed 9/18/2024	0800	-81	-77	-81	PL	
Thu 9/19/2024	0800	-79	-70	-81	MW	
Fri 9/20/2024	1000	-79	-79	-81	PL	
Mon 9/23/2024	0903	-79	-79	-81	PL	
Tue 9/24/2024	0724	-80	-80	-81	MW	
Wed 9/25/2024	0712	-81	-79	-81	MW	
Thu 9/26/2024	0745	-79	-79	-81	MW	
Fri 9/27/2024	0840	-81	-79	-81	PL	
Mon 9/30/2024	0730	-80	-80	-80	MW	
Tue 10/1/2024						
Wed 10/2/2024						

Key: \* Heavy usage



# CTSU Lab Room Freezer Min/Max Temperature Log

**Maintain temperature between -65°C to -90°C**

1124092101210920 (-80 Freezer Sudler)

Refrigerator or Freezer ID/Location:  
CTSU RAINBOW

Month **8** August Year **2024** Threshold: **4 hours**

Document the details of any temperature excursion in comments below. Alert study team if excursion exceeds threshold.

Date (Weekdays only)	Time	Actual Temp	Min °C	Max °C	Initials	Comments	
Thu	8/1/2024	0551	-80	-80	-81	MW	
Fri	8/2/2024	1035	-81	-79	-81	MW	
Mon	8/5/2024	0745	-81	-79	-81	DH	
Tue	8/6/2024	0810	-80	-79	-81	DH	
Wed	8/7/2024	0850	-80	-79	-81	PL	
Thu	8/8/2024	1000	-80	-77	-81	DH	
Mon	8/9/2024	0808	-81	-78	-81	PL	
Mon	8/12/2024	0851	-81	-77	-81	PL	
Tue	8/13/2024	0850	-81	-79	-81	PL	
Wed	8/14/2024	0821	-81	-79	-81	MW	
Thu	8/15/2024	0721	-81	-71	-81	MW	
Fri	8/16/2024	0727	-81	-71	-81	MW	
Mon	8/19/2024	1046	-79	-78	-81	PL	
Tue	8/20/2024	1046	-79	-78	-81	PL	
Wed	8/21/2024	0600	-81	-77	-81	MW	
Thu	8/22/2024	0826	-79	-79	-81	PL	
Fri	8/23/2024	0740	-80	-79	-81	MW	
Mon	8/26/2024	0737	-80	-79	-81	MW	
Tue	8/27/2024	0820	-81	-74	-81	PL	
Wed	8/28/2024	0833	-81	-71	-81	PL	
Thu	8/29/2024	0743	-80	-74	-81	MW	
Fri	8/30/2024	0744	-81	-79	-81	MW	
Mon	9/2/2024						

Key: \* Heavy usage

CTSU Lab Room Freezer Min/Max Temperature Log

Maintain temperature between -65°C to -90°C

1124092101210920 (-80 Freezer Sudler)

Refrigerator or Freezer ID/Location:  
CTSU RAINBOW

Month 7 July Year 2024 Threshold: 4 hours

Document the details of any temperature excursion in comments below. Alert study team if excursion exceeds threshold.

Date (Weekdays only)	Time	Actual Temp	Min °C	Max °C	Initials	Comments	
Mon	7/1/2024	0850	-79	-79	-81	a	
Tue	7/2/2024	0853	-79	-79	-81	pc	
Wed	7/3/2024	0632	-81	-77	-81	MW	
Thu	7/4/2024	_____					holiday
Fri	7/5/2024	0830	-81	-70	-81	DTI	
Mon	7/8/2024	0720	-81	-79	-81	w	
	7/9/2024	0728	-81	-79	-81	w	
Wed	7/10/2024	0713	-81	-75	-81	MW	
Thu	7/11/2024	0926	-80	-63	-81	PL	
Fri	7/12/2024	0720	-80	-78	-81	MW	
Mon	7/15/2024	0711	-80	-78	-81	MW	
Tue	7/16/2024	0617	-80	-78	-81	MW	
Wed	7/17/2024	0715	-80	-78	-81	w	
Thu	7/18/2024	0641	-79	-75	-81	DTI	
Fri	7/19/2024	1104	-79	-75	-81	PL	
Mon	7/22/2024	1102	-78	-74	-81	PL	
Tue	7/23/2024	0727	-81	-80	-81	MW	
Wed	7/24/2024	0636	-79	-79	-81	w	
Thu	7/25/2024	0633	-80	-79	-81	MW	
Fri	7/26/2024	1230	-80	-79	-81	w	
Mon	7/29/2024	0638	-81	-79	-81	w	
Tue	7/30/2024	0800	-79	-69	-81	DTI	
Wed	7/31/2024	0850	-81	-69	-81	MW	

Key: \* Heavy usage

# CTSU Lab Room Freezer Min/Max Temperature Log

**Maintain temperature between -65°C to -90°C**

1124092101210920 (-80 Freezer Sudler)

Refrigerator or Freezer ID/Location:  
CTSU RAINBOW

Month 6 June Year 2024 Threshold: 4 hours

Document the details of any temperature excursion in comments below. Alert study team if excursion exceeds threshold.

Date (Weekdays only)	Time	Actual Temp	Min °C	Max °C	Initials	Comments
Mon 6/3/2024	0755	-81	-81	-81	MW	
Tue 6/4/2024	0950	-79	-79	-79	PL	
Wed 6/5/2024	0950	-79	-79	-79	PL	
Thu 6/6/2024	0818	-81	-81	-81	W	
Fri 6/7/2024	0818	-81	-81	-81	PL	
Mon 6/10/2024	0846	-81	-81	-81	PL	
Tue 6/11/2024	0738	-81	-81	-81	W	
Wed 6/12/2024		—————				Samples moved Shut off
Thu 6/13/2024	0717					Shut off
Fri 6/14/2024	0711					Shut off
Mon 6/17/2024	0733					Shut off
Tue 6/18/2024	0735	-79	-78	-81	MW	
Wed 6/19/2024		—————				Holiday
Thu 6/20/2024	0858	-81	-75	-81	PL	
Fri 6/21/2024	0711	-81	-81	-81	MW	
Mon 6/24/2024	0720	-81	-81	-81	MW	
Tue 6/25/2024	0737	-81	-81	-81	MW	
Wed 6/26/2024	0842	-81	-78	-81	AT	
Thu 6/27/2024	0900	-81	-75	-81	DK	
Fri 6/28/2024	0746	-81	-75	-81	MW	
Mon 7/1/2024						
Tue 7/2/2024						
Wed 7/3/2024						

Key: \* Heavy usage





# CTSU LAB -8o FREEZER Min/Max Temperature Log

*Maintain temperature between -65°C to -90°C*

Month **April**

Year

2024

Refrigerator ID/Location: SUDLER 2012E

	Date (Weekdays only)	Time	Temp °C	Min °C	Max °C	Initials	Comments
Mon	4/1/2024	0800	-80	-80	-80	WH	
Tue	4/2/2024	0807	-81	-81	-81	W	
Wed	4/3/2024	0849	-81	-81	-81	W	
Thu	4/4/2024	0815	-81	-81	-81	W	
Fri	4/5/2024	0826	-81	-81	-81	W	
Mon	4/8/2024	0816	-80	-80	-80	W	
	4/9/2024	0800	-80	-79	-80	W	
Wed	4/10/2024	0810	-81	-81	-81	W	
Thu	4/11/2024	1006	-81	-81	-81	W	
Fri	4/12/2024	0711	-81	-81	-81	W	
Mon	4/15/2024	0724	-80	-80	-80	W	
Tue	4/16/2024	0933	-81	-81	-81	PL	
Wed	4/17/2024	0754	-81	-81	-81	W	
Thu	4/18/2024	0716	-81	-81	-81	W	
Fri	4/19/2024	0730	-80	-80	-80	W	
Mon	4/22/2024	0730	-80	-80	-80	W	
Tue	4/23/2024	1222	-77	-77	-77	PL	
Wed	4/24/2024	0720	-81	-80	-81	W	
Thu	4/25/2024	0706	-81	-81	-81	W	
Fri	4/26/2024	0735	-80	-81	-81	W	
Mon	4/29/2024	0710	-80	-80	-80	W	
Tue	4/30/2024	0620	-81	-81	-81	W	

## CTSU LAB -8o FREEZER Min/Max Temperature Log

*Maintain temperature between -65°C to -90°C*

Month **March**

Year

2024

Regrigerator ID/Location: SUDLER 2012E

	Date (Weekdays only)	Time	Temp °C	Min °C	Max °C	Initials	Comments
Fri	3/1/2024	0845	-81	-81	-81	PL	
Mon	3/4/2024	0842	-81	-81	-81	PL	
Tue	3/5/2024	1400	-79	-79	-79	PL	
Wed	3/6/2024	0800	-81	-81	-81	PL	
Thu	3/7/2024	0830	-80	-81	-81	PL	
Fri	3/8/2024	1000	-79	-80	-80	PL	
Mon	3/11/2024	0934	-80	-80	-81	PL	
Tue	3/12/2024	0617	-79	-79	-80	PL	
Wed	3/13/2024	0822	-80	-80	-80	PL	
Thu	3/14/2024	0850	-81	-81	-81	PL	
Fri	3/15/2024	0834	-81	-79	-81	PL	
Mon	3/18/2024	0838	-80	-80	-80	PL	
Tue	3/19/2024	0744	-81	-79	-81	PL	
Wed	3/20/2024	0816	-81	-81	-81	PL	
Thu	3/21/2024	0734	-80	-80	-80	PL	
Fri	3/22/2024	0844	-81	-79	-81	PL	
Mon	3/25/2024	1156	-81	-80	-80	PL	
Tue	3/26/2024	0722	-81	-80	-81	PL	
Wed	3/27/2024	0739	-81	-81	-81	PL	
Thu	3/28/2024	0743	-81	-81	-81	PL	
Fri	3/29/2024	0710	-79	-79	-79	PL	

# CTSU Lab -80 FREEZER Min/Max Temperature Log

Maintain temperature between -65°C to -90°C

Month February

Year 2024

Refrigerator Name/  
Location/Serial #/ID Sweller 2012E

	Date (Weekdays only)	Time	Temp °C	Min °C	Max °C	Name/Initials	Comments
Thu	2/1/2024	0630	-81	-81	-81	my/mw	
Fri	2/2/2024	1615	-79	-79	-80	JH	
Mon	2/5/2024	0850	-80	-80	-80	PL	
Tue	2/6/2024	1124	-79	-80	-80	PL	
Wed	2/7/2024	0823	-81	-81	-81	my/mw	
Thu	2/8/2024	0721	-80	-80	-79	mw/mw	
	2/9/2024	0837	-80	-81	-81	mw	
Mon	2/12/2024	0850	-81	-80	-80	PL	
Tue	2/13/2024	0810	-81	-79	-81	PL	
Wed	2/14/2024	0730	-80	-80	-81	mw/mw	
Thu	2/15/2024	0745	-78	-78	-79	<del>mw</del>	
Fri	2/16/2024	0802	-81	-81	-81	my/mw	
Mon	2/19/2024	0815	-79	80	80	PLA	
Tue	2/20/2024	0905	-81	-79	-81	PL/PL	
Wed	2/21/2024	0733	-80	-80	-80	mw/ly	
Thu	2/22/2024	0630	-81	-81	-81	mw/ly	
Fri	2/23/2024	0734	-80	-79	-81	mw/ly	
Mon	2/26/2024	0852	-81	-79	-81	mw/ly	
Tue	2/27/2024	0435	-81	-81	-81	mw/ly	
Wed	2/28/2024	0645	-81	-81	-81	mw/ly	
Thu	2/29/2024	0635	-81	-81	-81	mw/ly	

# CTSU Lab -8o FREEZER Min/Max Temperature Log

Maintain temperature between -65°C to -90°C

Month January

Year 2024

Refrigerator Name/  
Location/Serial #/ID Sudler 2012

	Date (Weekdays only)	Time	Temp °C	Min °C	Max °C	Name/Initials	Comments	
Tue	1/2/2024	1312	-80	-80	-80	W/mw		
Wed	1/3/2024	0750	-80	-80	-80	W/mw		
Thu	1/4/2024	0749	-81	-81	-81	W/mw		
Fri	1/5/2024	0750	-81	-81	-81	W/mw		
Mon	1/8/2024	0732	-79	-79	-79	W/mw		
Tue	1/9/2024	<hr/>						Closed
	1/10/2024	0715	-80	-80	-80	W/mw		
Thu	1/11/2024	0710	-79	-79	-79	W/mw		
Fri	1/12/2024	0700	-79	-79	-79	W/mw		
Mon	1/15/2024	<hr/>						Holiday
Tue	1/16/2024	1015	-79	-79	-79	W/mw		
Wed	1/17/2024	1330	-78	-79	-79	W/ES		
Thu	1/18/2024	0914	-80	-79	-81	W/ES		
Fri	1/19/2024	0755	-81	-81	-81	W/mw		
Mon	1/22/2024	0720	-78	-80	-78	W/mw		
Tue	1/23/2024	0705	-79	-79	-79	W/mw		
Wed	1/24/2024	0857	-80	-79	-80	W/mw		
Thu	1/25/2024	0647	-81	-81	-81	W/mw		
Fri	1/26/2024	0740	-81	-81	-81	W/mw		
Mon	1/29/2024	0754	-80	-80	-80	W/mw		
Tue	1/30/2024	0430	-81	-81	-81	W/mw		
	1/31/2024	1230	-79	-79	-79	W/mw		