

412209-86  
ZONE-10

Lab Specimen -80 Freezer Temperature Log for 2023

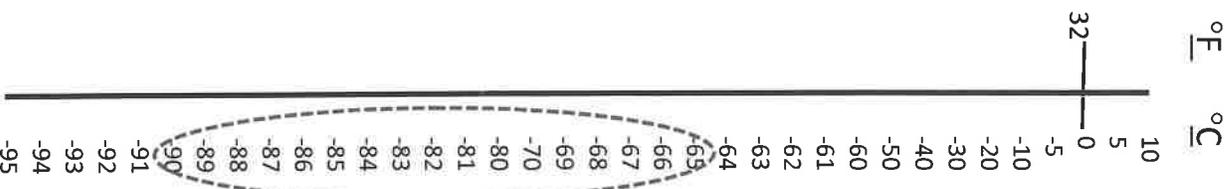
Maintain temperature between -65 to -90 C.

-80  
Freezer  
-65 to -90 °C

	Jan	Feb	Mar	April	May	June	July	Aug	Sept	Oct	Nov	Dec
1	—	81 Yks -83 OW	-79 KUA									
2	—	-83 OW	-79 KUA									
3	-79 KUA	-81 OW	-79 KUA									
4	-81 OW	—	—									
5	-81 OW	—	—									
6	-83 OW	-77 OW	-79 KUA									
7	—	-79 KUA	-79 KUA									
8	—	-80 KUA	-80 KUA									
9	-83 OW	-82 Yks	—									
10	-82 Yks	-81 KUA	—									
11	-82 Yks	-82 Yks	—									
12	-83 OW	—	—									
13	-80 KUA	-81 KUA	—									
14	—	-83 OW	—									
15	—	-80 OW	—									
16	HOL	-79 KUA	—									
17	-83 Yks	-82 Yks	—									
18	-83 OW	—	—									
19	-84 Yks	—	—									
20	-84 Yks	-82 OW	—									
21	—	-81 Yks	—									
22	—	-80 Yks	—									
23	-81 Yks	-80 Yks	—									
24	-83 OW	-83 OW	—									
25	-80 Yks	—	—									
26	-82 OW	—	—									
27	-80 OW	-79 OW	—									
28	—	-80 KUA	—									
29	—	—	—									
30	-81 OW	—	—									
31	-81 Yks	—	—									

REF TEMPERATURE  
WILL BE RECORDED ON  
GTSU Lab Freezer,  
MIN/MAX LOGS BY M,  
EFFECTIVE 08 MAR 23

4-24-23  
DN



Signatures:

DN 5 / DN

KUA / KANDL

TAS / MY

-If out of range, recheck in 5 minutes.  
-If remains out of range >5 minutes, advise management.

Freezer 412269-86

80

# CTSU Lab Freezer Min/Max Temperature Log

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

Month **March**

Year **2023**

Refrigerator ID/Location:

Date (Weekdays only)	Time	Min °C	Max °C	Initials	Comments
Wed 3/1/2023	01-07 Mar 23 temps. recorded on Lab				
Thu 3/2/2023	Specimen Freezer Temp. log				
Fri 3/3/2023	Form.				
Mon 3/6/2023	4-24-23 DW				
Tue 3/7/2023					
Wed 3/8/2023	930	-77.8	-66	KCA	
Thu 3/9/2023	0830	-77.8	-66.6	DW	
Fri 3/10/2023	0860	-77.83	-71.47	DW	
Mon 3/13/2023	0830	-88.30	-78.62	DW	
Tue 3/14/2023	0806	-77.66	-49.37	DW	
Wed 3/15/2023	0900	-77.60	-49.73	DW	
Thu 3/16/2023	953	-77.60	-63.49	DW	
Fri 3/17/2023	0846	-78.02	-71.21	DW	
Mon 3/20/2023	0845	-77	-60	KCA	
Tue 3/21/2023	1530	-77	-66.5	DW	
Wed 3/22/2023	0830	-78.19	-50.79	DW	
Thu 3/23/2023	0900	-88.66	-70.16	DW	
Fri 3/24/2023	0830	-77.7	-75	DW	
Mon 3/27/2023	0750	-78	-74.67	DW	
Tue 3/28/2023	0810	-77.87	-55.84	DW	
Wed 3/29/2023	0900	-77.84	-42.00	DW	
Thu 3/30/2023	0820	-78.02	-48.40	DW	
Fri 3/31/2023	0800	-78.03	-59.41	DW	

-80 Freezer

# CTSU Lab Freezer Min/Max Temperature Log

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

412269-86

Month April

Year 2023

Refrigerator ID/Location: FREEZER ~~849863-1540~~

Date (Weekdays only)	Time	Min °C	Max °C	Initials	Comments
Mon 4/3/2023	0900	-77.55	-73.20	DN	
Tue 4/4/2023	0900	-77.87	-52.53	DN	
Wed 4/5/2023	0900	-77	-52	KLA	
Thu 4/6/2023	0930	-78.66	-61.62	DN	
Fri 4/7/2023	1030	-78.66	-54.09	KLA	
Mon 4/10/2023	0800	-77.43	-71.29	DN	
Tue 4/11/2023	1000	-78.76	-45.31	DN	
Wed 4/12/2023	0800	-78.76	-52.84	DN	
Thu 4/13/2023	0820	-77.05	-55.95	DN	
Fri 4/14/2023	0800	-77.97	-74.67	DN	
Mon 4/17/2023	1000	-77	-74	KLA	
Tue 4/18/2023	0800	-77.97	-63.84	DN	
Wed 4/19/2023	0830	-77.73	-36.84	DN	
Thu 4/20/2023	0830	-87.45	-72.91	DN	
Fri 4/21/2023	0800	-68.08	-49.80	DN	
Mon 4/24/2023	0800	-71.98	-72.80	DN	
Tue 4/25/2023	0845	-80.23	-59.27	DN	
Wed 4/26/2023	0800	-87.41	-69.50	DN	
Thu 4/27/2023	<sup>PW</sup> -87.44 900	-79.14	-53.76	DN	
Fri 4/28/2023	0800	-79	-53	KLA	

-80

41226 9-86 B

# CTSU Lab Room Freezer Min/Max Temperature Log

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

Month **May**

Year **2023**

Refrigerator ID/Location: (-80) 41226g-86

	Date (Weekdays only)	Time	Min °C	Max °C	Initials	Comments
Mon	5/1/2023	0800	-87.41	-69.50	DW	
Tue	5/2/2023	0800	-78.90	-68.55	DW	
Wed	5/3/2023	0800	-78.79	-66.99	DW	
Thu	5/4/2023	0800	-79.03	-45.91	DW	
Fri	5/5/2023	0800	-78.84	-72.82	DW	
Mon	5/8/2023	0800	-79.03	-74.47	DW	
Tue	5/9/2023	0800	-79.09	-68.97	DW	
Wed	5/10/2023	0800	-79.51	-64.23	DW	
Thu	5/11/2023	0800	-87.40	-66.62	DW	
Fri	5/12/2023	0800	-87.84	-64.01	DW	
Mon	5/15/2023	0851	-88.28	-78.43	KLA	
Tue	5/16/2023	0852	-79.12	-63.10	KLA	
Wed	5/17/2023	0800	-79.02	-66.01	DW	
Thu	5/18/2023	0800	-78.97	-57.88	DW	
Fri	5/19/2023	0920	-78.97	-64.52	adv	
Mon	5/22/2023	1150	-78.73	-73.86	adv	
Tue	5/23/2023	0906	-78.70	-69.18	DW	
Wed	5/24/2023	1000	-78.3	-65	KLA	
Thu	5/25/2023	0800	-79.4	-68.88	DW	
Fri	5/26/2023	<del>0834</del>	88.34	69.95	DW	
Mon	5/29/2023					memorial day
Tue	5/30/2023	0800	-78.09	-72.77	DW	
Wed	5/31/2023	0800	-78.19	-58.47	DW	

# CTSU Lab Room Refrigerator Min/Max Temperature Log

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

Month **June**

Year **2023**

Refrigerator ID/Location: Lab Room Freezer 412269-86 (-80 freezer B)

	Date (Weekdays only)	Time	Min °C	Max °C	Initials	Comments
Thu	6/1/2023	1000	-87.35	-70.01	DN	
Fri	6/2/2023	0900	-81.27	-66.57	DN	
Mon	6/5/2023	1000	-77.37	-72.98	DN	
Tue	6/6/2023	1000	-77.77	-64.79	DN	
Wed	6/7/2023	0900	-77.95	-61.65	DN	
Thu	6/8/2023	0900	-79.36	-72.98	DN	
Fri	6/9/2023	1000	-78.79	-75.20	DN	
Mon	6/12/2023	1000	-79.80	-68.27	DN	
Tue	6/13/2023	1000	-79.11	-72.16	DN	
Wed	6/14/2023	1000	-79.50	-66.05	DN	
Thu	6/15/2023	1000	-78.49	-73.70	DN	
Fri	6/16/2023	1030	-78.51	-73.24	DN	
Mon	6/19/2023	0945	-78.55	-75.28	DN	
Tue	6/20/2023	0930	-78.55	-71.95	DN	
Wed	6/21/2023	0900	-78.23	-71.21	DN	
Thu	6/22/2023	1110	-78.22	-74.06	DN	
Fri	6/23/2023	0800	-78	-74	KA	
Mon	6/26/2023	1000	-78.20	-72.15	DN	
Tue	6/27/2023	1000	-79.35	-70.79	DN	
Wed	6/28/2023	1000	-88.30	-69.72	DN	
Thu	6/29/2023	0900	-78.59	-71.20	DN	
Fri	6/30/2023	0800	-78.59	-73.95	DN	

# CTSU Lab Room Freezer Min/Max Temperature Log

Maintain temperature between  $-65^{\circ}\text{C}$  to  $-90^{\circ}\text{C}$

Month **July**

Year **2023**

Refrigerator ID/Location: 412269-86 (-80 freezer B)

	Date (Weekdays only)	Time	Min °C	Max °C	Initials	Comments
Mon	7/3/2023	0900	-78.60	-75.02	DN	
Tue	7/4/2023					Hol.
Wed	7/5/2023	0832	-78.22	-73.66	Yds	
Thu	7/6/2023	0824	-78.12	-66.85	Yds	
Fri	7/7/2023	0800	-87.94	-63.31	DN	
Mon	7/10/2023	0900	-78.14	-74.83	DN	
Tue	7/11/2023	0940	-78.23	-69.73	DN	
Wed	7/12/2023	0820	-78.23	-71.07	DN	
Thu	7/13/2023	0900	-78.23	-71.07	DN	
Fri	7/14/2023	0900	-78.59	-72.77	DN	
Mon	7/17/2023	0804	-77.94	-74.47	Yds	
Tue	7/18/2023	1200	-88.46	-66.53	DN	
Wed	7/19/2023	0830	-80	-70	KCA	
Thu	7/20/2023	0804	-80.91	-70.15	Yds	
Fri	7/21/2023	1100	-73.71	-78.66	DN	
Mon	7/24/2023	0758	-80.57	-72.96	Yds	
Tue	7/25/2023	0621	-80.38	-52.46	Yds	
Wed	7/26/2023	0730	-82.19	-69.64	Yds	
Thu	7/27/2023	0719	-82.62	-72.23	Yds	
Fri	7/28/2023	0800	-72.23	-71.47	DN	
Mon	7/31/2023	0800	-82.90	-72.73	DN	

Form Location \_\_\_\_\_

# CTSU Lab Freezer Min/Max Temperature Log

Maintain temperature between  $-65^{\circ}\text{C}$  to  $-90^{\circ}\text{C}$

Month **August**

Year **2023**

Refrigerator ID/Location: 412269-86 (-80 Freezer B)

	Date (Weekdays only)	Time	Min °C	Max °C	Initials	Comments
Tue	8/1/2023	0800	-88.73	-67.44	DW	
Wed	8/2/2023	0720	-82.64	-38.52	Yds	
Thu	8/3/2023	1000	-82.43	-47.88	DN	
Fri	8/4/2023	1000	-88.64	-62.74	DN	
Mon	8/7/2023	0717	-79.77	-71.86	Yds	
Tue	8/8/2023	0714	-79.82	-62.27	Yds	
Wed	8/9/2023	0719	-88.57	-67.17	Yds	
Thu	8/10/2023	0727	-88.57	-67.39	Yds	
Fri	8/11/2023	0850	-81.50	-39.41	DN	
Mon	8/14/2023	0727	-81.93	-72.77	Yds	
Tue	8/15/2023	0717	-81.93	-48.76	Yds	
Wed	8/16/2023	0722	-86.95	-51.52	Yds	
Thu	8/17/2023	0830	-83.05	-41.02	DN	
Fri	8/18/2023	0818	-83.05	-51.61	DN	
Mon	8/21/2023	1500	-73.81	-20.67	DN	
Tue	8/22/2023	0830	-73.81	-20.67	DN	
Wed	8/23/2023	0716	-71.86	-53.59	Yds	
Thu	8/24/2023	0930	-79.23	-68.45	DN	
Fri	8/25/2023	0800	-80.15	-61.36	DN	
Mon	8/28/2023	0830	-80.05	-72.46	DN	
Tue	8/29/2023	1252	-81.03	-56.64	Yds	
Wed	8/30/2023	0725	-81.15	-56.64	Yds	
Thu	8/31/2023	0721	-80.31	-71.32	Yds	



# CTSU Lab Freezer Min/Max Temperature Log

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

Month **October**

Year **2023**

Refrigerator ID/Location: 412269-86 (-80 FreezerB)

	Date (Weekdays only)	Time	Min °C	Max °C	Initials	Comments
Mon	10/2/2023	0815	-74.44	-71.09	DW	
Tue	10/3/2023	0745	-74.44	-71.73	DW	
Wed	10/4/2023	0819	-77.37	-71.23	DW	
Thu	10/5/2023	0707	-77.49	-38.30	YJS	
Fri	10/6/2023	1000	-77.98	-37.59	DW	
Mon	10/9/2023	0800	-77.35	-72.20	DW	
Tue	10/10/2023	0810	-87.87	-65.68	DW	
Wed	10/11/2023	0830	-77.27	-39.14	DW	
Thu	10/12/2023	0830	-77.13	-38.85	DW	
Fri	10/13/2023	0900	-75.91	-71.21	DW	
Mon	10/16/2023	0900	-75.31	-29.81	DW	
Tue	10/17/2023	0800	-75.17	-70.01	DW	
Wed	10/18/2023	0800	-74.80	-69.88	DW	
Thu	10/19/2023	0800	-74.45	-31.84	DW	
Fri	10/20/2023	0800	-74.35	-40.33	LM	
Mon	10/23/2023	0800	-87.52	-78.60	DW	
Tue	10/24/2023	0800	-74.20	-70.00	DW	
Wed	10/25/2023	0800	-74.19	-41.37	LM	
Thu	10/26/2023	0800	-74.19	-47.41	LM	
Fri	10/27/2023	0800	-74.02	-43.12	LM	
Mon	10/30/2023	0800	-73.94	-71.01	DW	
Tue	10/31/2023	0900	-73.89	-39.32	DW	

# CTSU Lab Room Freezer Min/Max Temperature Log

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

Month **November**

Year **2023**

Freezer ID/Location: 412269-86 (-80 Freezer B)

	Date (Weekdays only)	Time	Min °C	Max °C	Initials	Comments
Wed	11/1/2023	0900	-74.14	-70.01	DN	
Thu	11/2/2023	0900	-74.14	-69.57	DN	
Fri	11/3/2023	0800	-73.98	-61.90	DN	
Mon	11/6/2023	0820	-73.91	-70.98	DN	
Tue	11/7/2023	0800	-74.08	-81.90	DN	
Wed	11/8/2023	1040	-74.86	-70.71	br	
Thu	11/9/2023	0800	-75.14	-59.09	DN	
Fri	11/10/2023					Holiday
Mon	11/13/2023	0800	-75.37	-71.52	DN	
Tue	11/14/2023	0800	-75.37	-65.76	DN	
Wed	11/15/2023	0800	-75.37	-68.19	DN	
Thu	11/16/2023	0800	-77.20	-69.70	DN	
Fri	11/17/2023	0800	-78.16	-70.70	DN	
Mon	11/20/2023	0800	-88.13	-67.42	DN	
Tue	11/21/2023	0800	-81.90	-73.11	DN	
Wed	11/22/2023	0800	-81.90	-73.52	DN	
Thu	11/23/2023					Holiday
Fri	11/24/2023					Holiday
Mon	11/27/2023	0800	-82.38	-72.80	LN	
Tue	11/28/2023	0900	-82.38	-72.80	DN	
Wed	11/29/2023	0800	-80.30	-71.12	DN	
Thu	11/30/2023	0900	-81.85	-60.13	DN	

# CTSU Lab Room Freezer Min/Max Temperature Log

Maintain temperature between  $-65^{\circ}\text{C}$  to  $-90^{\circ}\text{C}$

Month **December**

Year **2023**

Refrigerator ID/Location: LabRoom Freezer 412269-86(-80 Freezer B)

	Date (Weekdays only)	Time	Min °C	Max °C	Initials	Comments
Fri	12/1/2023	0800	-81.07	-71.71	LM	
Mon	12/4/2023	0800	-88.30	-87.07	OW	
Tue	12/5/2023	0800	-81.48	-75.12	OW	
Wed	12/6/2023	0915	-86.85	-85.48	OW	
Thu	12/7/2023	0935	-86.59	0.20	actv	0.20 occurred approx 1405. Self corrected to $-65^{\circ}\text{C}$ in approx 12 minutes per elemental with rapid cooling
Fri	12/8/2023	1100	-75.19	-70.99	OW	
Mon	12/11/2023	0830	-75.28	-72.23	OW	
Tue	12/12/2023	0845	-75.28	-74.29	OW	
Wed	12/13/2023	0830	-74.91	-67.88	OW	
Thu	12/14/2023	0830	-75.22	-72.32	OW	
Fri	12/15/2023	Defrosting OW				
Mon	12/18/2023	0800	-74.52	-72.06	LM	
Tue	12/19/2023	0800	-74.52	-37.48	OW	
Wed	12/20/2023	0900	-73.92	-70.40	OW	
Thu	12/21/2023	0900	-73.41	-71.02	OW	
Fri	12/22/2023	0920	-74.00	-60.16	OW	
Mon	12/25/2023	Holiday Break				
Tue	12/26/2023					
Wed	12/27/2023					
Thu	12/28/2023					
Fri	12/29/2023					