



# CTSU Lab Freezer Min/Max Temperature Log

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

Month **February**

Year **2024**

Freezer ID/Location: Lab room freezer 41226g-86 (-80 freezer B)

|     | Date (Weekdays only) | Time | Min °C | Max °C | Initials | Comments |
|-----|----------------------|------|--------|--------|----------|----------|
| Thu | 2/1/2024             | 0900 | -75.06 | -70.06 | DW       |          |
| Fri | 2/2/2024             | 0900 | -76.19 | 5.78   | DW       | *        |
| Mon | 2/5/2024             | 0800 | -76.27 | -73.45 | DW       |          |
| Tue | 2/6/2024             | 0800 | -76.25 | -64.67 | LM       |          |
| Wed | 2/7/2024             | 0800 | -76.63 | -44.48 | DW       | *        |
| Thu | 2/8/2024             | 0800 | -76.06 | -50.91 | DW       | *        |
| Fri | 2/9/2024             | 0800 | -76.06 | -61.81 | DW       | *        |
| Mon | 2/12/2024            | 0900 | -75.61 | -73.20 | DW       |          |
| Tue | 2/13/2024            | 0900 | -75.98 | -62.53 | DW       | *        |
| Wed | 2/14/2024            | 0800 | -76.03 | -52.53 | LM       | *        |
| Thu | 2/15/2024            | 0900 | -76.03 | -56.44 | DW       | *        |
| Fri | 2/16/2024            | 0800 | -75.94 | -52.20 | LM       | *        |
| Tue | 2/19/2024            | 0000 | -76.14 | -70.21 | DW       |          |
| Tue | 2/20/2024            | 0915 | -76.14 | -52.23 | DW       | *        |
| Wed | 2/21/2024            | 0900 | -75.94 | -47.11 | DW       | *        |
| Thu | 2/22/2024            | 1000 | -75.92 | -63.66 | DW       |          |
| Fri | 2/23/2024            | 1000 | -75.97 | -61.80 | DW       |          |
| Mon | 2/26/2024            | 0800 | -76.41 | -73.77 | DW       |          |
| Tue | 2/27/2024            | 0830 | -76.41 | -62.76 | DW       | %, *     |
| Wed | 2/28/2024            | 1000 | -76.14 | -62.76 | DW       |          |
| Thu | 2/29/2024            | 1000 | -75.78 | -65.47 | DW       |          |

Key: \* Heavy usage  
 % Normal peak of cooling curve  
 # Normal trough of cooling curve

# CTSU Lab Freezer Min/Max Temperature Log

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

Month **March**

Year **2024**

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

| Date (Weekdays only) | Time | Min °C | Max °C | Initials | Comments |
|----------------------|------|--------|--------|----------|----------|
| Fri 3/1/2024         | 0900 | -75.78 | -67.74 | DN       |          |
| Mon 3/4/2024         | 0800 | -76.11 | -73.55 | LM       |          |
| Tue 3/5/2024         | 0900 | -76.12 | -63.83 | DN       | *        |
| Wed 3/6/2024         | 0800 | -76.10 | -67.90 | DN       |          |
| Thu 3/7/2024         | 0800 | -76.44 | -67.47 | DN       |          |
| Fri 3/8/2024         | 0900 | -76.67 | -67.02 | DN       |          |
| Mon 3/11/2024        | 0900 | -76.39 | -68.49 | DN       |          |
| Tue 3/12/2024        | 0800 | -76.39 | -68.49 | DN       |          |
| Wed 3/13/2024        | 1000 | -76.17 | -67.27 | DN       |          |
| Thu 3/14/2024        | 0800 | -76.27 | -63.08 | DN       |          |
| Fri 3/15/2024        | 0800 | -77.20 | -60.00 | DN       | #        |
| Mon 3/18/2024        | 0800 | -76.16 | -65.90 | LM       |          |
| Tue 3/19/2024        | 0800 | -76.16 | -65.14 | DN       |          |
| Wed 3/20/2024        | 0800 | -75.97 | -65.66 | DN       |          |
| Thu 3/21/2024        | 0900 | -75.95 | -68.94 | DN       |          |
| Fri 3/22/2024        | 0900 | -75.95 | -68.94 | DN       |          |
| Mon 3/25/2024        | 0800 | -76.14 | -73.44 | DN       |          |
| Tue 3/26/2024        | 0900 | -76.50 | -70.01 | DN       |          |
| Wed 3/27/2024        | 0800 | -76.23 | -57.77 | DN       | *        |
| Thu 3/28/2024        | 0800 | -87.57 | -66.94 | DN       |          |
| Fri 3/29/2024        | 0900 | -76.19 | -57.77 | DN       | *        |

Key: \* Heavy usage  
 % Normal peak of cooling curve  
 # Normal trough of cooling curve

# CTSU Lab Room Freezer Min/Max Temperature Log

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

412269-86 (-80 Freezer B)

Refrigerator or Freezer ID/Location:

Month **4** April 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                  | 4/1/2024            | 0900        | -82.16 | -79.14 | -74.61   | DN       |   |
| Tue                  | 4/2/2024            | 0745        | -76.63 | -79.11 | -71.83   | DN       |   |
| Wed                  | 4/3/2024            | 0750        | -76.37 | -79.25 | -65.41   | DN       |   |
| Thu                  | 4/4/2024            | 0800        | -76.70 | -79.54 | -67.74   | LM       |   |
| Fri                  | 4/5/2024            | 0900        | -76.57 | -79.54 | -55.73   | LM       | * |
| Mon                  | 4/8/2024            | 0745        | -76.66 | -78.59 | -74.52   | DN       |   |
| Tue                  | 4/9/2024            | 0900        | -80.03 | -78.87 | -75.60   | DN       |   |
| Wed                  | 4/10/2024           | 0900        | -76.10 | -78.76 | -69.21   | DN       |   |
| Thu                  | 4/11/2024           | 0900        | -76.01 | -78.94 | -69.03   | DN       |   |
| Fri                  | 4/12/2024           | 1000        | -76.38 | -78.94 | -68.71   | DN       |   |
| Mon                  | 4/15/2024           | 0900        | -77.20 | -79.16 | -75.08   | DN       |   |
| Tue                  | 4/16/2024           | 0900        | -76.96 | -79.27 | -72.98   | DN       |   |
| Wed                  | 4/17/2024           | 1000        | -76.87 | -79.27 | -72.57   | DN       |   |
| Thu                  | 4/18/2024           | 1000        | -76.75 | -79.17 | -72.57   | DN       |   |
| Fri                  | 4/19/2024           | 0800        | -76.74 | -79.06 | -72.06   | DN       |   |
| Mon                  | 4/22/2024           | 0800        | -77.09 | -79.02 | -75.06   | DN       |   |
| Tue                  | 4/23/2024           | 0800        | -76.39 | -78.92 | -66.95   | DN       |   |
| Wed                  | 4/24/2024           | 0800        | -76.34 | -78.73 | -71.67   | DN       |   |
| Thu                  | 4/25/2024           | 0800        | -76.21 | -78.74 | -71.24   | DN       |   |
| Fri                  | 4/26/2024           | 0800        | -76.50 | -78.69 | -72.69   | DN       |   |
| Mon                  | 4/29/2024           | 0800        | -76.01 | -78.62 | -74.78   | DN       |   |
| Tue                  | 4/30/2024           | 0800        | -76.18 | -78.59 | -68.31   | LM       |   |
| Wed                  | <del>5/1/2024</del> |             |        |        |          |          |   |

Key: \* Heavy usage

CTSU Lab Room Freezer Min/Max Temperature Log

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

412269-86 (-80 Freezer B)

Refrigerator or Freezer ID/Location:  
CTSU FAIRWAY

Month 5 May 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        |
|----------------------|------|-------------|--------|--------|----------|-----------------|
| Wed 5/1/2024         | 0749 | -76.52      | -78.63 | -72.51 | DN       |                 |
| Thu 5/2/2024         | 0800 | -77.89      | -79.60 | -75.49 | DN       |                 |
| Fri 5/3/2024         | 0800 | -76.40      | -78.63 | -72.65 | DN       |                 |
| Mon 5/6/2024         | 0800 | -76.66      | -78.49 | -74.73 | DN       |                 |
| Tue 5/7/2024         | 0800 | -76.36      | -78.43 | -73.04 | DN       |                 |
| Wed 5/8/2024         | 0800 | -79.14      | -82.28 | -75.61 | DN       |                 |
| Thu 5/9/2024         | 0800 | -76.17      | -78.22 | -73.27 | DN       |                 |
| Fri 5/10/2024        | 0800 | -76.02      | -78.06 | -72.96 | DN       |                 |
| Mon 5/13/2024        | 0800 | -76.25      | -77.95 | -74.25 | DN       |                 |
| Tue 5/14/2024        | 0800 | -76.27      | -78.44 | -73.47 | LM       |                 |
| Wed 5/15/2024        | 0800 | -76.14      | -78.44 | -72.93 | DN       |                 |
| Thu 5/16/2024        | 0800 | -76.13      | -82.35 | -74.47 | DN       |                 |
| Fri 5/17/2024        | 0800 | -76.14      | -78.22 | -72.31 | DN       |                 |
| Mon 5/20/2024        | 0800 | -76.24      | -78.08 | -73.03 | DN       |                 |
| Tue 5/21/2024        | 0800 | -76.13      | -77.97 | -73.30 | DN       |                 |
| Wed 5/22/2024        | 0800 | -76.00      | -78.09 | -71.41 | DN       |                 |
| Thu 5/23/2024        | 0800 | -76.17      | -78.09 | -72.77 | DN       |                 |
| Fri 5/24/2024        | 0800 | -76.23      | -78.11 | -73.89 | DN       |                 |
| Mon 5/27/2024        |      |             |        |        |          | Holiday 5-28-24 |
| Tue 5/28/2024        | 0900 | -75.36      | -76.74 | -73.09 | DN       |                 |
| Wed 5/29/2024        | 0800 | -75.76      | -78.14 | -73.09 | DN       |                 |
| Thu 5/30/2024        | 0800 | -76.04      | -78.14 | -73.67 | DN       |                 |
| Fri 5/31/2024        | 0800 | -76.07      | -77.78 | -74.14 | DN       |                 |

Key: \* Heavy usage

# CTSU Lab Room Freezer Min/Max Temperature Log

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

**412269-86 (-80 Freezer B)**  
Refrigerator or Freezer ID/Location:  
CTSU FAIRWAY

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  | 0800        | -76.09 | -77.83 | -74.23   | DN       |         |
| Tue                  | 6/4/2024  | 0800        | -75.94 | -77.80 | -73.50   | DN       |         |
| Wed                  | 6/5/2024  | 0800        | -75.78 | -77.94 | -66.66   | DN       |         |
| Thu                  | 6/6/2024  | 0800        | -76.07 | -77.88 | -73.56   | DN       |         |
| Fri                  | 6/7/2024  | 0800        | -76.55 | -79.59 | -69.48   | LM       |         |
| Mon                  | 6/10/2024 | 0900        | -77.43 | -79.45 | -75.17   | DN       |         |
| Tue                  | 6/11/2024 | 0800        | -77.02 | -81.88 | -75.52   | DN       |         |
| Wed                  | 6/12/2024 | 0800        | -77.20 | -79.56 | -73.26   | LM       |         |
| Thu                  | 6/13/2024 | 0800        | -77.20 | -79.57 | -72.76   | DN       |         |
| Fri                  | 6/14/2024 | 0300        | -77.50 | -79.60 | -75.08   | DN       |         |
| Mon                  | 6/17/2024 | 0900        | -77.54 | -79.60 | -75.41   | DN       |         |
| Tue                  | 6/18/2024 | 0900        | -77.35 | -79.56 | -74.30   | DN       |         |
| Wed                  | 6/19/2024 | _____       |        |        |          |          | Holiday |
| Thu                  | 6/20/2024 | 0800        | -77.52 | -79.56 | -75.36   | DN       |         |
| Fri                  | 6/21/2024 | 0800        | -77.17 | -79.56 | -66.96   | LM       |         |
| Mon                  | 6/24/2024 | 0900        | -77.51 | -79.60 | -75.30   | DN       |         |
| Tue                  | 6/25/2024 | 0800        | -77.34 | -79.60 | -73.95   | LM       |         |
| Wed                  | 6/26/2024 | 0800        | -79.08 | -82.27 | -67.44   | DN       |         |
| Thu                  | 6/27/2024 | 0800        | -79.24 | -81.91 | -76.90   | DN       |         |
| Fri                  | 6/28/2024 | 0800        | -76.76 | -78.60 | -74.19   | DN       |         |
| Mon                  | 7/1/2024  | _____       |        |        |          |          |         |
| Tue                  | 7/2/2024  | _____       |        |        |          |          |         |
| Wed                  | 7/3/2024  | _____       |        |        |          |          |         |

Key: \* Heavy usage

CTSU Lab Room Freezer Min/Max Temperature Log

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

412269-86 (-80 Freezer B)

Refrigerator or Freezer ID/Location:  
CTSU FAIRWAY

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         | 0800 | -76.81      | -78.63 | -74.89 | DN       |                       |
| Tue 7/2/2024         | 1000 | -76.15      | -78.59 | -70.47 | DN       |                       |
| Wed 7/3/2024         | 1000 | -76.03      | -78.54 | -71.27 | DN       |                       |
| Thu 7/4/2024         |      |             |        |        |          | Holiday               |
| Fri 7/5/2024         | 0800 | -76.36      | -78.17 | -74.27 | DN       |                       |
| Mon 7/8/2024         | 0800 | -77.52      | -79.56 | -75.36 | DN       |                       |
| Tue 7/9/2024         | 0800 | -76.20      | -78.19 | -73.00 | DN       |                       |
| Wed 7/10/2024        | 0900 | -75.87      | -78.06 | -72.03 | DN       |                       |
| Thu 7/11/2024        | 0900 | -75.62      | -77.95 | -67.20 | DN       |                       |
| Fri 7/12/2024        | 1000 | -76.13      | -78.06 | -73.47 | DN       |                       |
| Mon 7/15/2024        | 0800 | -76.43      | -78.22 | -74.50 | DN       |                       |
| Tue 7/16/2024        | 1000 | -76.43      | -78.22 | -74.50 | DN       |                       |
| Wed 7/17/2024        | 0800 | -75.28      | -77.70 | -69.27 | DN       |                       |
| Thu 7/18/2024        | 1000 | -76.30      | -79.81 | -72.21 | DN       |                       |
| Fri 7/19/2024        | 1000 | -75.71      | -77.70 | -73.16 | DN       | late entry 7-22-24    |
| Mon 7/22/2024        | 1000 | -75.69      | -77.70 | -73.16 | DN       |                       |
| Tue 7/23/2024        | 1000 | -75.71      | -77.70 | -73.14 | DN       |                       |
| Wed 7/24/2024        | 0900 | -75.53      | -77.46 | -72.02 | DN       |                       |
| Thu 7/25/2024        | 0800 | -75.89      | -77.44 | -74.03 | DN       | late entry 7-29-24 DN |
| Fri 7/26/2024        | 0900 | -75.98      | -77.56 | -74.14 | DN       | late entry 7-29-24 DN |
| Mon 7/29/2024        | 0900 | -75.97      | -77.66 | -74.14 | DN       |                       |
| Tue 7/30/2024        | 0800 | -75.93      | -77.56 | -74.27 | DN       |                       |
| Wed 7/31/2024        | 0900 | -75.90      | -77.64 | -73.50 | DN       |                       |

Key: \* Heavy usage

CTSU Lab Room Freezer Min/Max Temperature Log

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

412269-86 (-80 Freezer B)

Refrigerator or Freezer ID/Location:  
CTSU FAIRWAY

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  | 0900        | -76.00 | -77.37 | -73.50   | DW       |
| Fri                  | 8/2/2024  | 0900        | -76.18 | -77.89 | -74.36   | DW       |
| Mon                  | 8/5/2024  | 0800        | -76.27 | -77.91 | -74.56   | DW       |
| Tue                  | 8/6/2024  | 0800        | -76.33 | -78.37 | -74.16   | DW       |
| Wed                  | 8/7/2024  | 0800        | -75.68 | -78.27 | -70.93   | DW       |
| Thu                  | 8/8/2024  | 0800        | -76.04 | -77.75 | -73.88   | DW       |
| Fri                  | 8/9/2024  | 0800        | -76.12 | -77.97 | -72.38   | DW       |
| Mon                  | 8/12/2024 | 0800        | -76.33 | -78.06 | -74.66   | DW       |
| Tue                  | 8/13/2024 | 0800        | -76.07 | -77.96 | -73.12   | DW       |
| Wed                  | 8/14/2024 | 0800        | -75.82 | -77.91 | -70.64   | DW       |
| Thu                  | 8/15/2024 | 0800        | -75.94 | -77.94 | -72.66   | DW       |
| Fri                  | 8/16/2024 | 0800        | -76.51 | -78.27 | -74.75   | DW       |
| Mon                  | 8/19/2024 | 0800        | -77.59 | -78.27 | -74.75   | DW       |
| Tue                  | 8/20/2024 | 0800        | -75.72 | -78.20 | -69.98   | LM       |
| Wed                  | 8/21/2024 | 0800        | -75.74 | -77.64 | -72.62   | LM       |
| Thu                  | 8/22/2024 | 0800        | -75.86 | -77.80 | -72.71   | DW       |
| Fri                  | 8/23/2024 | 0800        | -76.06 | -77.78 | -73.07   | DW       |
| Mon                  | 8/26/2024 | 0800        | -76.25 | -77.81 | -74.61   | DW       |
| Tue                  | 8/27/2024 | 0800        | -75.95 | -77.81 | -72.40   | DW       |
| Wed                  | 8/28/2024 | 0800        | -76.02 | -77.81 | -73.11   | DW       |
| Thu                  | 8/29/2024 | 0800        | -75.61 | -77.81 | -68.88   | DW       |
| Fri                  | 8/30/2024 | 0800        | -75.58 | -77.73 | -72.00   | LM       |
| Mon                  | 9/2/2024  |             |        |        |          | Holiday  |

Key: \* Heavy usage



CTSU Lab Room Freezer Min/Max Temperature Log

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

412269-86 (-80 Freezer B)

Refrigerator or Freezer ID/Location:  
CTSU FAIRWAY

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         |      |             |        |        |          | holiday  |
| Tue 9/3/2024         | 0800 | -76.09      | -77.66 | -74.42 | DW       |          |
| Wed 9/4/2024         | 0800 | -75.40      | -77.66 | -67.59 | DW       |          |
| Thu 9/5/2024         | 0800 | -75.87      | -77.66 | -73.45 | DW       |          |
| Fri 9/6/2024         | 0800 | -75.97      | -77.77 | -73.36 | LM       |          |
| Mon 9/9/2024         | 0800 | -76.13      | -77.70 | -74.44 | DW       |          |
| Tue 9/10/2024        | 0800 | -75.84      | -77.70 | -71.95 | DW       |          |
| Wed 9/11/2024        | 0800 | -75.97      | -77.73 | -73.58 | DW       |          |
| Thu 9/12/2024        | 0800 | -75.89      | -77.73 | -73.44 | DW       |          |
| Fri 9/13/2024        | 0800 | -75.94      | -77.66 | -73.52 | DW       |          |
| Mon 9/16/2024        | 0900 | -75.88      | -77.56 | -73.33 | DW       |          |
| Tue 9/17/2024        | 0900 | -75.61      | -77.54 | -71.98 | DW       |          |
| Wed 9/18/2024        | 0900 | -79.03      | -82.52 | -65.09 | DW       |          |
| Thu 9/19/2024        | 0800 | -75.57      | -77.59 | -71.12 | LM       |          |
| Fri 9/20/2024        | 0900 | -75.94      | -77.57 | -74.05 | DW       |          |
| Mon 9/23/2024        | 0900 | -76.03      | -77.70 | -74.27 | DW       |          |
| Tue 9/24/2024        | 0900 | -77.05      | -82.35 | -74.35 | DW       |          |
| Wed 9/25/2024        | 0900 | -75.32      | -77.15 | -72.34 | DW       |          |
| Thu 9/26/2024        | 0900 | -75.44      | -77.12 | -72.94 | DW       |          |
| Fri 9/27/2024        | 0800 | -75.43      | -77.10 | -72.73 | LM       |          |
| Mon 9/30/2024        | 0900 | -75.36      | -76.77 | -73.88 | DW       |          |
| 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

412269-86 (-80 Freezer B)

Refrigerator or Freezer ID/Location:  
CTSU FAIRWAY

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  | 0750        | -75.34 | -76.88 | -73.42   | DN       |                     |
| Wed                  | 10/2/2024  | 0900        | -75.18 | -77.06 | -72.35   | DN       |                     |
| Thu                  | 10/3/2024  | 0900        | -75.14 | -77.06 | -72.32   | DN       |                     |
| Fri                  | 10/4/2024  | 0900        | -75.04 | -76.76 | -72.41   | DN       |                     |
| Mon                  | 10/7/2024  | 1116        | -71.16 | -74.36 | -67.05   | YK       | Defrost. DN 10-4-24 |
| Tue                  | 10/8/2024  | 0900        | -72.04 | -74.36 | -63.88   | DN       | *                   |
| Wed                  | 10/9/2024  | 0900        | -74.89 | -78.20 | -75.80   | DN       |                     |
| Thu                  | 10/10/2024 | 0800        | -76.41 | -78.27 | -71.02   | DN       |                     |
| Fri                  | 10/11/2024 | 1000        | -76.54 | -78.30 | -73.50   | DN       |                     |
| Mon                  | 10/14/2024 | 0755        | -76.52 | -78.16 | -74.92   | DN       |                     |
| Tue                  | 10/15/2024 | 1401        | -83.   | -78.16 | -74.92   | ABZ      |                     |
| Wed                  | 10/16/2024 | 0800        | -76.05 | -77.66 | -73.59   | DN       |                     |
| Thu                  | 10/17/2024 | 0800        | -75.89 | -77.66 | -70.47   | DN       |                     |
| Fri                  | 10/18/2024 | 1100        | -75.84 | -77.52 | -73.48   | DN       |                     |
| Mon                  | 10/21/2024 | 1000        | -80.01 | -76.66 | -74.50   | DN       |                     |
| Tue                  | 10/22/2024 | 0800        | -75.89 | -77.40 | -74.20   | LM       |                     |
| Wed                  | 10/23/2024 | 0800        | -75.78 | -77.38 | -73.52   | UM       |                     |
| Thu                  | 10/24/2024 | 0900        | -75.65 | -77.35 | -72.44   | DN       |                     |
| Fri                  | 10/25/2024 | 1600        | -75.77 | -77.43 | -73.42   | DN       |                     |
| Mon                  | 10/28/2024 | 0800        | -75.89 | -77.34 | -74.34   | DN       |                     |
| Tue                  | 10/29/2024 | 0745        | -75.71 | -77.34 | -73.70   | DN       |                     |
| Wed                  | 10/30/2024 | 0745        | -75.84 | -77.35 | -74.05   | DN       |                     |
| Thu                  | 10/31/2024 | 0745        | -75.57 | -77.49 | -69.67   | DN       |                     |

Key: \* Heavy usage

CTSU Lab Room Freezer Min/Max Temperature Log

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

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

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        | 1000 | -78.06      | -80.28 | -67.22 | DW       |          |
| Mon 11/4/2024        | 0800 | -76.13      | -77.78 | -74.42 | DW       |          |
| Tue 11/5/2024        | 0745 | -75.57      | -77.77 | -70.88 | DW       |          |
| Wed 11/6/2024        | 0800 | -76.40      | -76.01 | -71.90 | DW       |          |
| Thu 11/7/2024        | 0800 | -75.34      | -77.56 | -72.12 | DW       |          |
| Fri 11/8/2024        | 0800 | -75.62      | -77.49 | -73.16 | LM       |          |
| Mon 11/11/2024       |      |             |        |        |          | Holiday  |
| Tue 11/12/2024       | 1045 | -75.61      | -77.43 | -73.06 | DW       |          |
| Wed 11/13/2024       | 1000 | -75.68      | -77.62 | -72.87 | DW       |          |
| Thu 11/14/2024       | 0800 | -75.56      | -77.40 | -72.87 | DW       |          |
| Fri 11/15/2024       | 0800 | -75.54      | -77.23 | -72.79 | DW       |          |
| Mon 11/18/2024       | 0800 | -75.62      | -77.13 | -74.00 | DW       |          |
| Tue 11/19/2024       | 0745 | -75.49      | -77.10 | -73.30 | DW       |          |
| Wed 11/20/2024       | 0810 | -75.44      | -77.10 | -73.30 | DW       |          |
| Thu 11/21/2024       | 0800 | -76.66      | -76.12 | -73.50 | DW       |          |
| Fri 11/22/2024       | 0800 | -75.77      | -75.11 | -71.60 | DW       |          |
| Mon 11/25/2024       | 0745 | -76.70      | -74.03 | -70.01 | DW       |          |
| Tue 11/26/2024       | 0745 | -75.65      | -75.97 | -72.81 | DW       |          |
| Wed 11/27/2024       | 0915 | -75.29      | -77.23 | -72.23 | DW       |          |
| Thu 11/28/2024       |      |             |        |        |          | Holiday  |
| Fri 11/29/2024       |      |             |        |        |          | Holiday  |
| 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

412269-86 (-80 Freezer B)

Refrigerator or Freezer ID/Location:  
CTSU FAIRWAY

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        | 0745 | -79.20      | -77.06 | -75.16 | DW       |                      |
| Tue 12/3/2024        | 0750 | -75.21      | -77.21 | -71.69 | DW       |                      |
| Wed 12/4/2024        | 0750 | -75.13      | -77.18 | -71.55 | DW       |                      |
| Thu 12/5/2024        | 0800 | -75.20      | -77.07 | -72.17 | DW       |                      |
| Fri 12/6/2024        | 0900 | -74.72      | -77    | -71    | Em       |                      |
| Mon 12/9/2024        | 0800 | -75.39      | -77.02 | -73.55 | DW       |                      |
| Tue 12/10/2024       | 0900 | -75.07      | -77.01 | -71.26 | DW       |                      |
| Wed 12/11/2024       | 0900 | -75.11      | -77.07 | -71.70 | DW       |                      |
| Thu 12/12/2024       | 0800 | -75.10      | -77.07 | -72.07 | LM       |                      |
| Fri 12/13/2024       | 0800 | -75.09      | -77.02 | -69.72 | DW       |                      |
| Mon 12/16/2024       | 0800 | -74.92      | -76.41 | -73.20 | DW       |                      |
| Tue 12/17/2024       | 0800 | -75.01      | -76.73 | -71.16 | DW       |                      |
| Wed 12/18/2024       | 0800 | -75.86      | -78.40 | -69.94 | DW       |                      |
| Thu 12/19/2024       | 0900 | -75.72      | -78.40 | -72.09 | DW       |                      |
| Fri 12/20/2024       | 0800 | -75.33      | -77.48 | -72.62 | LM       |                      |
| Mon 12/23/2024       | 0800 | -75.28      | -76.81 | -73.61 | LM       |                      |
| Tue 12/24/2024       | 0738 | -74.55      | -76.81 | -72.76 | Yds      |                      |
| Wed 12/25/2024       |      |             |        |        |          | Closed, 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

COBEX "Wheel" record changed, Tue., Dec. 24, 2024 d/t Hol. Break/Yds