





The presentation will begin shortly.
There will be no audio until then.

CONFIDENTIAL



Meeting Goals

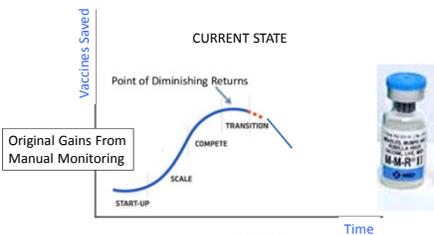


- Why data loggers?
 - Can they save time & vaccines?
- Why condition probe?
 - Avoid the most common failure
- How to get started?
 - Step-by-step guide
- How to read the screen & address an alarm?
- What to do with a reports?



Why data loggers?

Evolution of vaccine temperature



CONFIDENTIAL

berlinger
feel safe

Why data loggers?

Evolution of vaccine temperature

Vaccine Storage Temperature Recommendations

Vaccine(s)	Vaccine Storage Temperature	Diluent Storage Temperature	When OVEREXPOSED TO Hi & LO Temperatures Vaccines Do Not:
Diphtheria, tetanus, pertussis-containing vaccines (DTaP, DT, Tdap, Td)	35°F-46°F (2°-8°C) Do not freeze.		<ul style="list-style-type: none"> Taste Smell Look DIFFERENT
Hepatitis A	35°F-46°F (2°-8°C) Do not freeze.		

CONFIDENTIAL

berlinger
feel safe

Why data loggers?

Evolution of vaccine temperature

Vaccine Storage Temperature Recommendations

Vaccine Storage Temperature	Diluent Storage Temperature	When OVEREXPOSED TO Hi & LO Temperatures Vaccines Do Not:
 35°F-46°F (2°-8°C) Do not freeze.		<ul style="list-style-type: none"> Taste Smell Look DIFFERENT
Hepatitis A 35°F-46°F (2°-8°C) Do not freeze.		

CONFIDENTIAL

berlinger
feel safe

Why data loggers?

Evolution of vaccine temperature

Vaccine Storage Temperature Recommendations

Vaccine Storage Temperature	Diluent Storage Temperature	When OVEREXPOSED TO Hi & LO Temperatures Vaccines Do Not:
 35°F-46°F (2°-8°C) Do not freeze.		<ul style="list-style-type: none"> Taste Smell Look DIFFERENT
Hepatitis A 35°F-46°F (2°-8°C) Do not freeze.		

CONFIDENTIAL



berlinger
feel safe

Why data loggers?

Evolution of vaccine temperature

Vaccine Storage Temperature Recommendations

Vaccine Storage Temperature	Diluent Storage Temperature	When OVEREXPOSED TO Hi & LO Temperatures Vaccines Do Not:
35°F-46°F (2°-8°C) Do not freeze.		<ul style="list-style-type: none"> Taste Smell Look DIFFERENT

CONFIDENTIAL

berlinger
feel safe

Why data loggers?

Evolution of vaccine temperature

Vaccine Storage Temperature Recommendations

Vaccine Storage Temperature	Diluent Storage Temperature	When OVEREXPOSED TO Hi & LO Temperatures Vaccines Do Not:
35°F-46°F (2°-8°C) Do not freeze.		<ul style="list-style-type: none"> Smell Look DIFFERENT

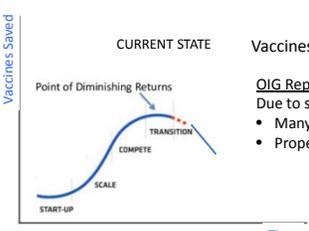
BUT THEY WORK DIFFERENTLY

CONFIDENTIAL

berlinger
feel safe

Why data loggers?

Evolution of vaccine temperature



Vaccines Excursion Issues

OIG Report: \$900M Vaccines Lost Due to storage temps

- Many can be saved with
- Proper temperature data

CONFIDENTIAL

berlinger
feel safe

Why data loggers?

Evolution of vaccine temperature

FUTURE STATE

PATH OF HIGH PERFORMANCE

TRANSITION

COMPLETE

SCALE

START-UP

FIRST MONTHS:
Struggle to find &
Replace old storage units

Time

CONFIDENTIAL

berlinger
feel safe

Why data loggers?

Evolution of vaccine temperature

FUTURE STATE

PATH OF HIGH PERFORMANCE

TRANSITION

COMPLETE

SCALE

START-UP

FUTURE GAINS:

- Save vaccines
- Avoid re-vaccination
- Reduce daily workload

Time

CONFIDENTIAL

berlinger
feel safe

Why data loggers?

Improved Patient Health

CONFIDENTIAL



berlinger
feel safe

Why Fridge-tag® 2?



CONFIDENTIAL



berlinger
feel safe

Why Fridge-tag® 2?

CDC Recommendation & Fridge-tag® 2

CDC Recommendations	Fridge-tag® 2 Status	Comments
LED Display: current temp	YES	
LED Display: high & low temps	YES	30 days High/Low on screen
LED Display: Hi/Low Alarm status	YES	Alarm Status & Alarm checked status
Continuous Temp. Monitor (Minimum: 1 reading every 15 minutes)	YES	Every 1 minute 60 readings/hour 1440 readings/day FULL CONTINUOUS
Memory: 4000 readings Est. 39 days @ 15 min.	YES	43,200 readings/mo 86,400 / 60 days FULL CONTINUOUS
Device Stops or Memory is reset after download	YES	Memory can be erased upon download NOT Recommended
Operating range -20°C to +40°C	YES	-30°C to +50°C



berlinger
feel safe

Why Fridge-tag® 2?

CDC Recommendation & Fridge-tag® 2

CDC Recommendations	Fridge-tag® 2 Status	Comments
Download data via USB & standard computer	YES	NO Software No cradle No wire
Report: show alarm configurations; high & low temps & time outside of the high/low thresholds	YES	
Data export capability: Excel, CSV, Txt	YES	Device creates a PDF & Txt file now
Detachable temperature probe, liquid fill vial, 1m cable	YES	THIN – Ribbon wire fits between gasket
Track technicians reading temps. twice daily	YES	Use of READ button documented
Uncertainty: +/- 0.5°C	YES	
Resolution: +/- 1.0°C	YES	
Battery Life: 6 months	YES	24 months

berlinger
feel safe

Why Fridge-tag® 2?

- No Software = Ease of use
- Simple Report = Quick comprehension
- Useful Screen = 30 day snap shot
- Tracks Daily Readings = people & unit
- 2 Year Certificate of Accuracy = Save \$

CONFIDENTIAL

berlinger
feel safe

Fridge-tag® 2: Activation

Critical Steps For Proper Start up & Use

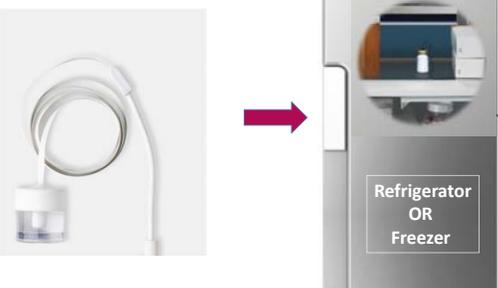
- FIRST - Cool the vial with probe
- SECOND – Start the Fridge-tag® 2
- THIRD – Connect them within 10 min.
- FOURTH – Check temps. 2x per Day
- FIFTH – Send & store reports properly

CONFIDENTIAL

berlinger
feel safe

Fridge-tag® 2: 1st things 1st

Step #1 : Cool the vial with Probe



Refrigerator
OR
Freezer

berlinger
feel safe

Fridge-tag® 2: 1st things 1st

Step #1 : Cool the vial with Probe



It arrives @ Room Temp = 22°C

➔ Refrigerator = 5°C
Freezer = -18°C

It will take 1-2 hours
At 5° OR -18° C
For the vial temperature
To lower to the storage temp

CONFIDENTIAL

berlinger
feel safe

Fridge-tag® 2: 1st things 1st

Step #1 : Secure vial & wire for daily use



#1 Use a piece of velcro or tie to wire rack securing vial in place

#2 Secure wire For daily use

#3 Secure connector end to door edge – hinge side

CONFIDENTIAL

berlinger
feel safe

Fridge-tag® 2: Start

Step #2 : Starting the data logger

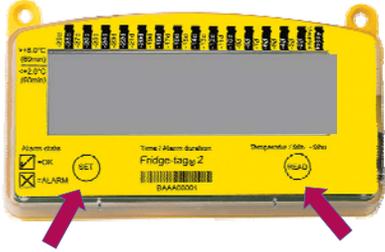
QUICK START **IMPORTANT! Read All Steps before starting the process.**

- 1** Place vial with sensor in the middle of the refrigerator or freezer for **1 HOUR BEFORE** activating the Fridge-Tag2 device. 
- 2** **START** device and **SET DATE**. Press **SET** - **READ** for **5 SECONDS** then release together. **SEE** dd-yy-yy time. Press **READ**  times. Press **SET**  times. (to adjust date if incorrect, press READ button)
- 3** **SET TIME** (24 hr: Military style) 15:47 = 3:47 pm. Change the hours to your time zone by pressing **READ**. The minutes should already be accurate. Press **SET**  times to accept minutes.
- 4** Decide between Celsius or Fahrenheit temperatures. **C** = press **SET** - or - **F** = press **READ** then **SET**. Insert vial sensor to "CLICK" 

berlinger
feel safe

Fridge-tag® 2: Button Use

READ = scroll/change SET = set/accept



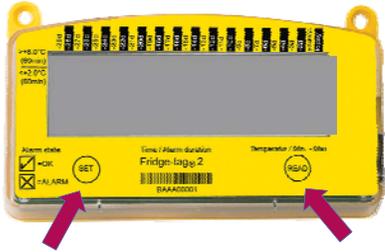
CONFIDENTIAL

berlinger
feel safe

Fridge-tag® 2: Start

Press SET & READ simultaneously 4

#1



CONFIDENTIAL

berlinger
feel safe

Fridge-tag® 2: Start

Activation success:



CONFIDENTIAL

berlinger
feel safe

Fridge-tag® 2: Start

Switch to USA date style: Press READ

#2

Click READ to switch from EU date format to USA date format

CONFIDENTIAL

berlinger
feel safe

Fridge-tag® 2: Start

Set USA date style: Press SET

Click SET to commit the USA Date format to memory

CONFIDENTIAL

berlinger
feel safe

Fridge-tag® 2: Start

Set USA date style: Press SET 6 times

#3

Date should be correct
If not, use READ to change
Numbers & SET to accept

CONFIDENTIAL

berlinger
feel safe

Fridge-tag® 2: Start

Set Time: SET to accept or READ to

#3



Time should be correct
If not, use READ to change
Numbers & SET to accept

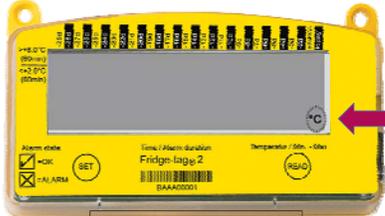
CONFIDENTIAL

berlinger
feel safe

Fridge-tag® 2: Start

Set Read-out Type: Celsius or Fahrenheit

#4



Factory setting is Celsius
Use READ if Fahrenheit is desired
Or press SET to accept Celsius

CONFIDENTIAL

berlinger
feel safe

Fridge-tag® 2: Start

The Loc function

#5



CONFIDENTIAL

berlinger
feet safe

Fridge-tag® 2: Start

Fully Activated Device:

READY TO USE



CONFIDENTIAL

berlinger
feet safe

Fridge-tag® 2: Connect

Listen for it to "click" in place **LASTLY**

BioSafe Glycol Vial



CONFIDENTIAL

berlinger
feet safe

Fridge-tag® 2: Read the screen

30 day snap shot

CONFIDENTIAL

berlinger
feel safe

Fridge-tag® 2: Read the screen

30 day snap shot

NO ALARMS



The device screen displays: HI 8.0°C (80min), HI 3.0°C (80min), LO 2.0°C (80min), LO 1.0°C (80min), 16.09.20 12, Int. Sensor, 13.47, 05.6 °C. Below the screen are 'SET' and 'READ' buttons. The bottom of the device shows 'Alarm status: OK, ALARM', 'Time / Alarm duration: Fridge-tag 2', and 'Temperature / Min. / Max.: 16.09.2012 12:00:00'.

CONFIDENTIAL

berlinger
feel safe

Fridge-tag® 2: Read the screen

30 day snap shot

CHECK HI & LO Tempos 2x/daily



First Press of READ:
UP arrow flashed & corner displays today's HI temp

The device screen displays: HI 8.0°C (80min), HI 3.0°C (80min), LO 2.0°C (80min), LO 1.0°C (80min), 16.09.20 12, Int. Sensor, 13.47, 05.6 °C. Below the screen are 'SET' and 'READ' buttons. The bottom of the device shows 'Alarm status: OK, ALARM', 'Time / Alarm duration: Fridge-tag 2', and 'Temperature / Min. / Max.: 16.09.2012 12:00:00'.

CONFIDENTIAL

berlinger
feel safe

Fridge-tag® 2: Read the screen

30 day snap shot

CHECK HI & LO Tempos 2x/daily



Second Press:
DOWN arrow flashed & corner displays today's LO temp

The device screen displays: HI 8.0°C (80min), HI 3.0°C (80min), LO 2.0°C (80min), LO 1.0°C (80min), 16.09.20 12, Int. Sensor, 13.47, 05.6 °C. Below the screen are 'SET' and 'READ' buttons. The bottom of the device shows 'Alarm status: OK, ALARM', 'Time / Alarm duration: Fridge-tag 2', and 'Temperature / Min. / Max.: 16.09.2012 12:00:00'.

CONFIDENTIAL

berlinger
feelsafe

Fridge-tag® 2: Read the screen

30 day snap shot

What if there is an alarm ?

CONFIDENTIAL

berlinger
feelsafe

Fridge-tag® 2: Read the screen

30 day snap shot

3 Alarm Indicators

CONFIDENTIAL

berlinger
feelsafe

Fridge-tag® 2: Read the screen

30 day snap shot

3 Alarm Indicators

GIANT X means:
For the supervisor
There was an Alarm within
the past 30 days

CONFIDENTIAL

berlinger
feel safe

Fridge-tag® 2: Read the screen

30 day snap shot

3 Alarm Indicators

UP & DOWN Arrows:

- How many alarms this month?
- Which days?
- HI or LO temperatures?

Yellow & Black Piano Keys

- TODAY = far right
- YESTERDAY = next key
- See past 30 days easily

Time / Alarm duration
Fridge-tag 2
EAAA00001

CONFIDENTIAL

berlinger
feel safe

Fridge-tag® 2: Read the screen

30 day snap shot

3 Alarm Indicators

means:
Alarm has not been read by pressing READ button

Disappears if USER presses READ

Time / Alarm duration
Fridge-tag 2
EAAA00001

CONFIDENTIAL

berlinger
feel safe

Fridge-tag® 2: Read report

When an alarm happens TODAY
Press READ to see what is happening

CONFIDENTIAL

berlinger
feel safe

Fridge-tag® 2: Read the screen

If alarmed: MORE info when pressing

If Down Arrow = LO alarm

First Press of READ

- HI temp = OK = ✓ mark

CONFIDENTIAL

berlinger
feel safe

Fridge-tag® 2: Read the screen

If alarmed: MORE info when pressing

Second Press of READ

- Date & Time of Alarm

CONFIDENTIAL

berlinger
feel safe

Fridge-tag® 2: Read the screen

If alarmed: MORE info when pressing

Third Press of READ

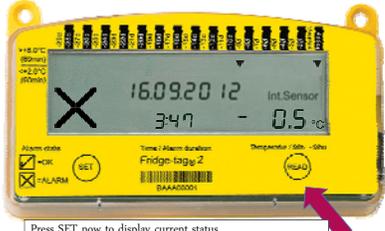
- Length or duration of time below LO temp
- Actual LO temp = -0.5°

CONFIDENTIAL

berlinger
feel safe

Fridge-tag® 2: Read the screen

If alarmed: MORE info when pressing



Press SET now to display current status

- now disappears from screen

CONFIDENTIAL

berlinger
feel safe

Fridge-tag® 2: Read report

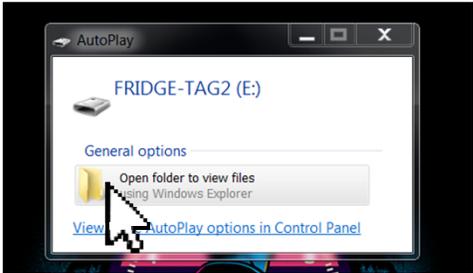
Download the report

CONFIDENTIAL

Fridge-tag® 2

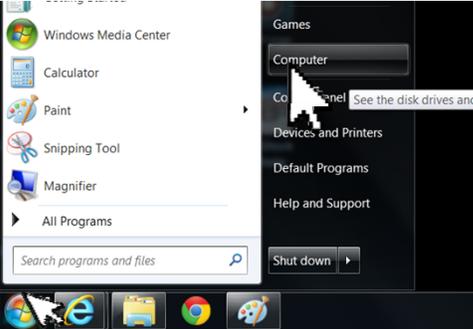


Plug into Any Computer



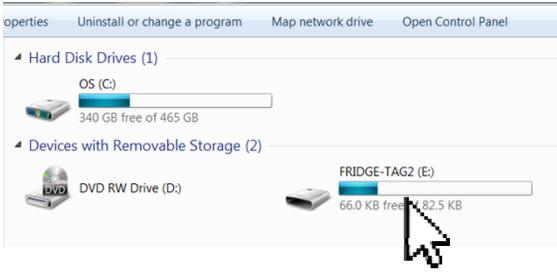
Click on Folder
Like Any Removable Memory Stick

If it does not pop onto your screen

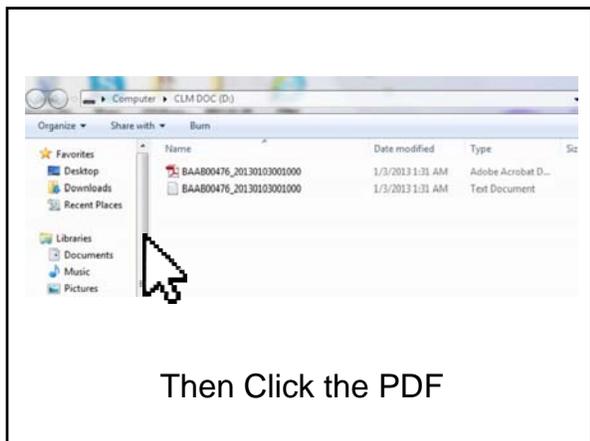


Click the Window START – then Computer

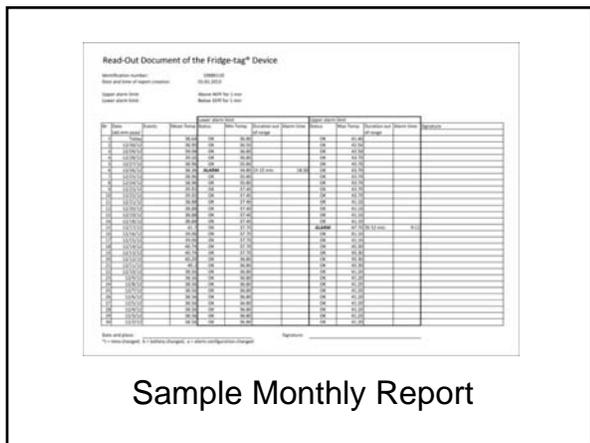
If it does not pop onto your screen



And Click on the Fridge-tag2



Then Click the PDF



Sample Monthly Report



Fridge-tag® 2: Read the report

Report: 60 days high/low, TOR &

No	Date (dd-mm-yyyy)	Event	Lower alarm limit				Upper alarm limit				Signature
			Mean Temp	Min Temp	Duration out of range	Alarm time	Mean Temp	Max Temp	Duration out of range	Alarm time	
1	12/20/12	OK	4.1	3.8			OK	5.8			
2	12/20/12	OK	4.4	3.8			OK	5.8			
3	12/20/12	OK	3.9	3.9			OK	4.9			
4	12/20/12	OK	3.9	2.3			OK	4.1			
5	12/21/12	OK	3.1	2.5			OK	4.1			
6	12/20/12	ALARM	1.7 (0-15 min)		18:30	OK	3.8				
7	12/21/12	OK	4.1				OK	4.6			
8	12/20/12	OK	4.1				OK	6.7			
9	12/20/12	OK	4.0				OK	6.9			
10	12/20/12	OK	3.4	4.0			OK	6.9			
11	12/21/12	OK	3.9	4.8			OK	7.0			
12	12/20/12	OK	3.4	4.1			OK	7.2			
13	12/21/12	OK	4.1				OK	7.2			
14	12/20/12	OK	3.9				OK	7.3			
15	12/20/12	OK	3.9				OK	7.7			
16	12/21/12	OK	4.1				ALARM	10:00 (0-25 min)	9:00		
17	12/21/12	OK	3.9	4.1			OK	7.7			
18	12/20/12	OK	3.4	4.0			OK	7.6			
19	12/20/12	OK	3.4	4.4			OK	6.8			
20	12/13/12	OK	3.1	4.0			OK	6.8			
21	12/13/12	OK	3.0	4.1			OK	6.8			
22	12/13/12	OK	3.1	4.3			OK	6.8			
23	12/13/12	OK	3.1	4.3			OK	6.8			
24	12/13/12	OK	3.1	4.3			OK	6.8			
25	12/13/12	OK	3.1	4.3			OK	6.8			
26	12/13/12	OK	3.1	4.3			OK	6.8			
27	12/13/12	OK	3.1	4.3			OK	6.8			
28	12/13/12	OK	3.1	4.3			OK	6.8			
29	12/13/12	OK	3.1	4.3			OK	6.8			
30	12/13/12	OK	3.1	4.3			OK	6.8			
31	12/13/12	OK	3.1	4.3			OK	6.8			

CONFIDENTIAL

berlinger
feel safe

Fridge-tag® 2: Read the report

Track Technicians Daily Use of Device

No.	Date (dd MM yyyy)	Event	Average temp	Status	Min. temp	Duration out of range	Alert
1	Today		+21.8°C	In progress	+21.3°C	0min	
2	28.02.2013	Am	+23.1°C	ok	+21.7°C	0min	
3	27.02.2013	Am	+22.9°C	ok	+21.3°C	0min	
4	26.02.2013	Pm	+21.6°C	ok	+20.1°C	0min	
5	25.02.2013		+21.3°C	ok	+19.9°C	0min	
6	14.02.2013		+21.0°C	ok	+19.5°C	0min	

= not checked
 Am = morning checked
 Pm = afternoon checked

CONFIDENTIAL

berlinger
feel safe

Fridge-tag® 2: Read the report

Report: External sensor alarm

Ext. sensor connection error	Status	Duration	Alarm trigger time	Signal
ALARM!		13h 12min	00:00h	
ALARM!		1d	00:00h	
ALARM!		23h 31min	00:00h	
ALARM!		1d	00:00h	
ALARM!		2h 8min	21:53h	
ok		0min		
ok		0min		

Probe Disconnected For +10 minutes Creates an alarm. Time disconnected is Tracked for complete Report.

CONFIDENTIAL

The Report Can Be...

PRINTED

EMAILED

FILED

ARCHIVED

 **Fridge-tag® 2: Resources**

CONFIDENTIAL

 **Fridge-tag® 2: Resources**

This Power Point
Website: www.berlinger.com
<http://www.berlinger.ch/en/berlinger/main/ambient-tag/temperature-monitoring/fridge-tag2.html>

- User manual -
- Set up videos
- Other instructions
- Poster – on-site display user instructions

Handouts:

- FAQ's (frequently asked questions) list
- Posters
- YouTube videos (memo)

 **Fridge-tag® 2: Features**



- Continuous Display
- No Software
- Track User Reading Temps
- Removable External Sensor
- 60 Day Report
- 2 year Operating Life & ISO 17025 Certificate of Accuracy

CONFIDENTIAL

berlinger
feel safe

Fridge-tag® 2: CDC guidelines

- ✓ Detachable temperature probe
- ✓ Continuous temp monitoring
 - At least one reading/15 min
- ✓ Memory storage : 4000 readings
- ✓ Operating range: -20 °C to 40 °C
- ✓ Uncertainty: ± 0.5 °C
- ✓ Resolution: ± 0.1 °C
- ✓ Battery life: 6 months minimum
- ✓ Integrated Liquid Crystal Display (LCD)
- ✓ Alarm capabilities
- ✓ Download/ archival software
- ✓ Track technician reading temps twice daily

Source: CDC website

CONFIDENTIAL

berlinger
feel safe

Open for new perspectives!

berlinger
feel safe

Questions?



222 Turnpike Road
Suite 3
Westborough, MA 01581
USA
www.berlinger.com

Patrick McGrath
General Manager
508-439-9216
patrick.mcgrath@berlinger.ch

CONFIDENTIAL

What will and will not change after implementation of Fridge-tag®?

 North Dakota Department of Health
Immunization Program

Paper temperature logs

- Providers must continue to use paper temperature logs.
- Providers must check the temperatures including the minimum/maximum and the alarm signs twice daily.
 - Please use our new temperature logs available at: <http://www.ndhealth.gov/Immunize/Providers/Forms.htm>
- Paper temperature logs should be kept at providers' office for at least 3 years for VFC compliance.
- You will be asked for paper temperature logs during VFC visit.
- Paper temperature logs should not be mailed/faxed or emailed to the immunization program (applies only if you are using Fridge-tag®).

Old thermometers

- Providers must keep their old thermometers in their storage unit at least for 2 months until comfortable using the new data logger.
- Keep your old thermometers and the certificates of calibration as a back-up thermometer.
- Back-up thermometers will be required in 2015.
- Keep your certificates of calibration for Fridge Tag. You will be asked during VFC visit.

Download from the data logger



- The PDF file from Fridge tag® should be emailed to dohtemplogs@nd.gov monthly.
- Save the PDF file using your provider number, the month and year.
 - Example: Provider 445 for the month of December, 2014 should be saved as **445(Dec14)**.
 - If you have more than one refrigerator or freezer unit save it as **445(Dec14) Fridge 1** and **445(Dec14) Fridge 2**.
 - Please create a folder on your computer to save the downloaded data each month.
 - Please keep the PDF file on your computer for 3 years.

Placing the glycol bottle

- Place your glycol bottle in a small plastic basket and put it at the center of the unit.



- The plastic basket will prevent the vial from moving to the sides.

Alarm settings

Refrigerator:

- High alarm: 60 minutes above 8°C
- Low alarm: 15 minutes below 2°C
- The thermometer shows the alarm sign when the temperature is above 8 degree Celsius at least for 60 minutes and below 2 degree Celsius at least for 15 minutes.
- The high alarm setting was changed to avoid alarm due to defrost cycle.

Alarm settings

Freezers:

- High alarm: 60 minutes above -15°C
- The thermometer shows the alarm sign when the temperature is above -15 degree Celsius for 60 minutes.
- The high alarm setting was changed to avoid alarm due to defrost cycle.
- No low alarm

Be aware of the new signature button



- You have to check the minimum and maximum temperature twice daily (morning and evening) by pressing the read button. The immunization program will check if you are checking temperatures twice daily from the PDF report.

33	01/24/2014	am	pm	Temperature checked twice daily
34	01/23/2014	am	pm	
35	01/22/2014	am	pm	Temperature checked in the afternoon
36	01/21/2014	pm		
37	01/20/2014			Temperature not checked in the morning and in the afternoon
38	01/19/2014			

Out of range temperatures

- The immunization program will contact providers with alarm readings on PDF file that did not report the event.
- Please pay attention to alarm signs on the display in addition to the temperature you read.



- If temperature excursion occurred, use the vaccine storage trouble shooting guide to report the event. <http://www.ndhealth.gov/Immunize/Documents/Providers/Forms/Troubleshooting.pdf>

Vaccine Storage Troubleshooting Guide

IF YOU NOTICE A TEMPERATURE EXCURSION:

1. Confirm the problem or identify vaccine component
2. Document the current, minimum and maximum temperature, duration of temperature excursion and the time other problems were discovered in the vaccine storage.
3. Label the vaccine "Do Not Use"
4. Move all the appropriate temperature. If your unit is not maintaining the acceptable temperature, transfer the vaccine to other storage units. Do not allow vaccine to remain in a unit while trying to fix it.
5. Contact the manufacturer for further guidance on use of the vaccine using the phone numbers provided below. Do not discard vaccine before consulting the manufacturer. If vaccine is wasted, report to the Immunization Program.

Temperature excursion: High or low temperature

Problem that may cause temperature excursion (PTC)

Problem 1: Check the plug into the wall outlet. Turn on the air conditioning and check if the door alarm sounds. Check the door properly. Check the door seal and temperature alarm. Make sure the alarm unit is working. Make sure the temperature alarm is set correctly.

Problem 2: Check the temperature sensor is a correct position and check temperature alarm. If not working, call distributor. Check if you are not the good at installation. Reinstall your unit. Check the alarm and the code of the unit. Check and call them. The alarm and the code of the unit or call a technician for help.

Report the information in the table about temperature excursion events.

Date	Time	Duration	Temp	Temperature	Temperature Alarm	Reported

Health Service Immunization Program 800.471.1208 or 765.228.2200 www.ndhealth.gov/immunize

Materials



- User manuals, this presentation and videos from the manufacturer will be posted on our website.
- Please review the memo before using the fridge tag*.
- Do not use Fridge-tag* for vaccine transport.



Type your question into either of the chat windows at your right.

After the presentation, questions may be sent to:

Molly Howell	mahowell@nd.gov
Abbi Pierce	apierce@nd.gov
Mary Woinarowicz	mary.woinarowicz@nd.gov
Stacy Lovelace	slovelace@nd.gov
Amy Schwartz	amschwartz@nd.gov
Miranda Baumgartner	mibaumgartner@nd.gov
Rahel Gemmeda	rgemmeda@nd.gov

Or call 701.328.3386 to speak to someone in the Immunization



- Contact Berlinger at
 Tel: +1 508 366.0084
 E-Mail: info@berlinger.ch
 Web: www.berlinger.ch
