

Application Note

Use of Lives Temperature Dataloggers in Ultra-Low Temperature Environments (<-50 to ≥-90°C)

Before running any test with Lives RF Loggers at -80 please observe the following:

- Remote activation is disabled,
- Batteries have been replaced less than 4 months prior to start a test; if this is not the case, replace them with new batteries and run a one-hour test at ambient temperature with a 10 sec update rate to activate the batteries,
- In Administration, Options – the option “Confirm Enable RF at Ultra Low Temperature” is disabled,
- If the loggers haven't been used for more than a month prior to start a test, run a one-hour test at ambient temperature with a 10 sec update rate to activate the batteries.

While programming the loggers to start an ultra-low temperature test, please make sure:

- For RF loggers the “Logger update rate” should be setup as 00:00:00
- Use sequential mode to program the loggers.

Firmware version:

GMP loggers FW version 2.32 (or higher) or GMP-RF loggers FW version 1.96 (or higher):

- loggers can start collecting data after being placed inside the freezer.

Any previous FW versions

- loggers must start collecting data at least 30 minutes before being placed inside the freezer

After the run is finished and loggers retrieved from the freezer, allow a warm-up of 30 minutes before activating the loggers to retrieve the data.

** To check the version of firmware onboard select 'show details' from the logger prepare screen or in verify validation equipment screen.*

Firmware updates – All loggers that come into the Lives service department have firmware version checked and any available update applied FOC.

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