



Within Lot Calibration

What is Within Lot Calibration?

Within Lot Calibration (WLC) is an option that allows the instrument to calibrate a **fresh cartridge** from a specific lot of reagent and then use that calibration for all subsequent cartridges of that lot for an extended period of time (availability and extended length of calibration is chemistry dependent). This feature enables the lab to calibrate less often.

Calibration Status

Determine the need for calibration for any cartridge based on the information found in the **Cal Status** column of the Rgts/Cal screen. The software keeps track of all calibration requirements.

Within Lot Calibration Definitions

The following codes may be viewed on the calibration screen:

wf: Fresh cartridge = name given to any cartridge during the first 8 hours that it is loaded on an instrument. A calibration performed on a “wf” cartridge establishes a new within lot cal factor (to be used for all cartridges of the same lot number).

w: Within Lot is enabled for this chemistry. This cartridge has been loaded on the system for longer than 8 hours and is using the WLC factor for that lot number.

ws: Standalone = calibration was performed on a cartridge with a “w” designation. The calibration is valid for this cartridge only.

When Within Lot Calibration (WLC) is enabled:

IF	then WLC code:	and Cal Status is:
First cartridge of a new lot # is loaded	is "wf" (for 8 hours)	Cal Required
Calibration is performed during "wf" status	becomes "w" (a WLC factor is created)	Calibrated
Calibration is performed during "w" status	becomes "ws"	Calibrated
More cartridges of the same lot # are loaded (during WLC stability*)	is "wf" (for first 8 hours), then changes to "w"	Calibrated

* Duration of the reagent lot calibration

Additional Within Lot Calibration (WLC) information

- If WLC is enabled for a chemistry, multiple cartridges of the same lot number loaded on the system will ALL have a status of calibrated.
- A new lot number of cartridge can be loaded and calibrated while still using a previous lot number. Only one WLC factor per lot number is saved but more than one lot number can be stored.
- A cartridge that exceeds the calibration stability** can be calibrated during the "w" status to create a "ws" calibration status for that cartridge only.
- Hardware, reagent or environmental issues occurring during creation of a WLC factor may necessitate re-calibration of a fresh cartridge to establish a new factor (after the issue is resolved).

** Length of time a calibration is valid for a specific cartridge once it's loaded on system.