

ADVISORY NOTICE

46_2025_New SW version v1.25.2 for EC 90

Dear customers,

We hereby inform you that there is a **new software version 1.25.2** for EC 90 instrument. This version is released from 2nd September 2025 and features changes listed below. Due to this software change **value assignment for quality controls Erba Norm and Erba Path are updated**, the updated values are showed below.

Software changes:

1. *iCa Correction Update*

Method of iCa values calculation in serum and plasma has been improved to ensure receiving correct iCa results in both serum and plasma. Please note that it is important to specify sample type to get correct values.

Note: After update to v1.25.2 there is no more need to implement any manual correction factors as per AN_2024_23, please remember to revert back intercept value to zero.

2. *iCa Reference Range Update for Serum and Plasma*

iCa reference range has been updated for both Adults and Children.

3. *Disable "Low Slope" Status for Newly Inserted Sensor for 24 Hours*

Change introduces two things: the parameter on the main screen becomes orange instead of grey and the customer receives alternative advice. This setting is active only for 24 hours starting from the first insertion. This setting does not affect measurements, if the sensor is calibrated and ready to measure the user can use it as usual.

4. *Switch the Measurement Type to 'None' After 'Aqueous' Measurements*

Automated 'Aqueous' type selection may result in incorrect measurements due to the significantly lower likelihood of performing aqueous measurements compared to blood or serum. This change introduces modification to the 'Aqueous' measurement workflow: after every 'Aqueous' measurement the measurement type is reset to 'None', therefore the user must select the type for the next measurement.

5. *Levey-Jennings Chart Printing Option*

The change introduces a printing option for the Levey-Jennings chart to comply with regulations from selected regions.

6. *Message After Decreasing Number of Remaining Days*

Users are informed via pop-up message if the current usage of the EC Cartridge leads to less than the predicted remaining days.

7. Warning For Users After Power Fail

Users are informed of unexpected power failures via a pop-up the next time the instrument turns on. They are advised not to switch off the instrument without using the Shutdown process from the Maintenance window because it has a negative effect on reagent consumption.

8. Selectable Cleaning Interval

Users are reminded to use system clean via status message after the selected cleaning interval expires. Users can select from three options: 1-month, 3-months or automatic (depending on sample frequency).

9. System Clean Advice after every EC Cartridge Change

During every EC Cartridge Change procedure the users are requested to proceed with a system clean using cleaning solution. The users are allowed to cancel the System Clean but are advised to continue with it due to the higher chance of errors if the cleaning was omitted.

10. Remove Asterisk (*) From Measurements Calculated with User Corrections

The GUI will not show Asterisk (*) next to measurement results calculated with user correction anymore.

11. Measurements with Selected Error Flags Do Not Count Against Remaining Sample Count

Failed measurements (flagged with selected errors) do not deduct from the remaining sample count of the EC cartridge. Only fully successful measurements for all active parameters consume a cartridge slot. (e.g. If Cl^- fails due to Out of Display Range(M021) but Na^+/K^+ succeed, the cartridge count remains unchanged.)

12. User Password is Masked During Login

During login the user's password must be masked for security. The update adds this feature alongside a button temporarily revealing the entered password

Value assignment update

As per point 1 above, the algorithm for reporting of iCa^{2+} concentration is updated, the values in the value assignment for the control material also needs to be changed. In the following table, please find the values for Erba Norm and Erba Path compliant with this sw version.

| Material | LOT | Value iCa^{2+} [mmol/L] | Range Interval | 1 SD |
|-----------|---------|-------------------------------------|----------------|------|
| Erba Norm | 2302121 | 0.77 | 0.65-0.89 | 0.04 |
| Erba Path | 2302122 | 1.16 | 0.98-1.34 | 0.06 |
| Erba Norm | 2310172 | 0.86 | 0.74-0.98 | 0.04 |
| Erba Path | 2310173 | 1.42 | 1.21-1.63 | 0.07 |
| Erba Norm | 2502155 | 1.36 | 1.15-1.57 | 0.07 |
| Erba Path | 2502116 | 1.52 | 1.28-1.76 | 0.08 |

For control material from other manufacturers, please be aware of the possible shift in target values for iCa .

Erba Lachema s.r.o.



In case you have any additional question, please do not hesitate to contact us.

Best regards,

A handwritten signature in blue ink, appearing to be "S. J. ...", written over the printed name of the company.

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Erba Lachema s.r.o.

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