

## ADVISORY NOTICE

12\_2024\_ELite H CAL Traceability

Dear customer,

We hereby inform you about the reference method for **MCV (Mean Cell Volume)** parameter as calibrated parameter on hematology analysers ELite 580, H560 and H360. Reference method for MCV is traceable to Hematocrit reference method as below:

HCT: Plain glass microhematocrit tubes (not coated with anticoagulant) are filled with sample, sealed with sealing putty and centrifuged for 5 minutes in a microhematocrit centrifuge according to the CLSI H07-A3 document. After centrifugation, the length of the whole column including the plasma, and the length of the red blood cell column, are viewed and measured using a microscope with graduated stage and an ocular micrometer. The hematocrit (packed cell volume) is calculated as the ratio of the two measurements. No correction is made for trapped plasma.

MCV: On some instruments MCV is the calibrated parameter instead of the HCT. The MCV is calculated from the HCT and RBC using the formula:  $MCV = HCT \times 10/RBC$

This information is included from calibrator LOT No.: PLUS0524.

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

Best regards,

Erba Lachema s.r.o.



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