

**BioVendor
Group**

MBA

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Quick start guide

MBA Reader



1. Login to the software

- Open software by double click on icon „TL TestLine Analytics“



- Click on „supervisor“ account icon and log in

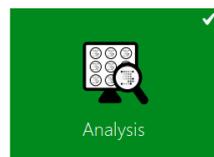


- Enter password: „123“ and click on „Login“

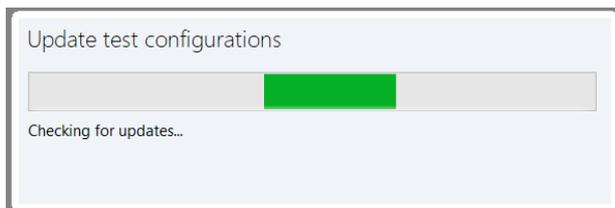
Supervisor

Enter your password

- Click on „Analysis“ icon to open reading application



During opening of application the test configurations update can go through (Internet connection is necessary)



2. Plate Reading

- Write „Test name“ to identify the batch of analysed samples

Specific folder containing all scanned images from this batch will be created in: **TL Analytics working folder > ArrayReader > Images**

- Click on blue arrow „Eject“ to open reader door and eject the plate tray



Or press the button on front panel of the reader for ejecting the plate tray



- Insert the plate with wells into the tray, position A1 must be in the upper right corner

Before inserting of plate into the reader, check if all wells are properly inserted in frame, push the wells by hand into frame

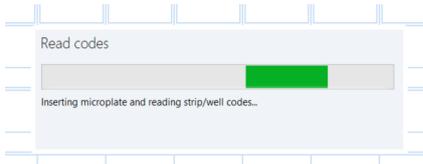


- Click on blue arrow „Insert“ to slide the tray with plate inside



Or press the button on front panel of the reader

- The reader automatically starts to read DM codes on the bottom of wells to identify the test



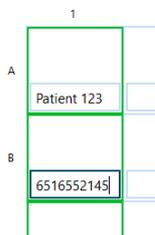
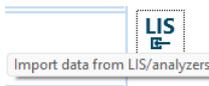
- Positions on the microplate occupied with wells are marked in green



- Click on **„Read selected“** (**„Real all“** in case of full plate) to scan the wells in order to evaluate the concentration of antigens

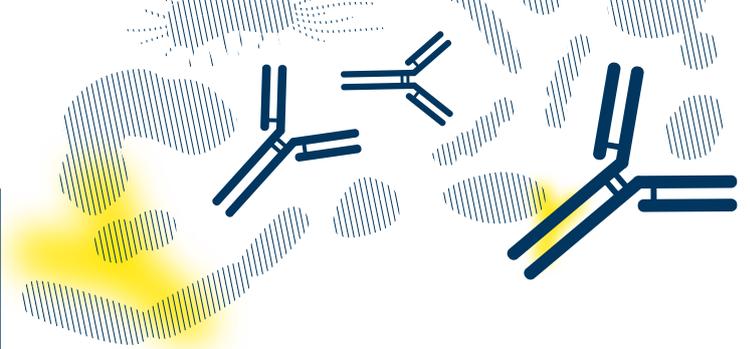


- Meanwhile, the samples can be identified into bottom box (patient names can be written, sample barcodes scanned by barcode reader, sample names imported from LIS – click on LIS icon)



If identification of Test and Lot based on DM code is not possible, select Test and Lot manually:

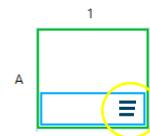
- Click on square where is the well and manually mark by green



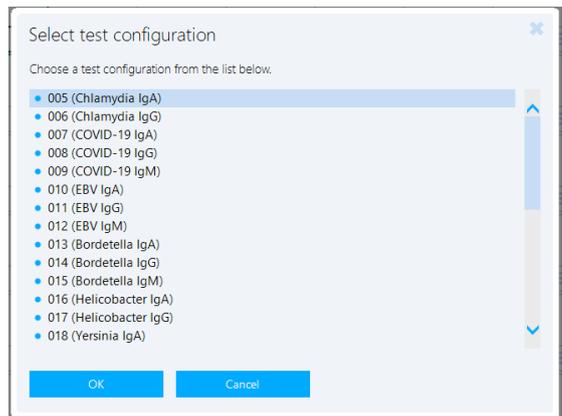
- Click on **„Test configuration“** icon to allow to select the test in the bottom box of the marked well



- Click on icon in the bottom box



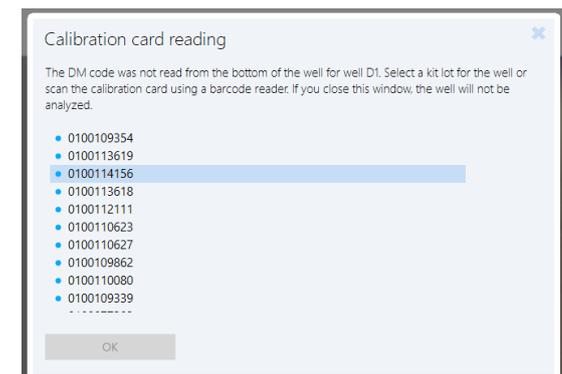
- Select Test from the list and confirm by OK



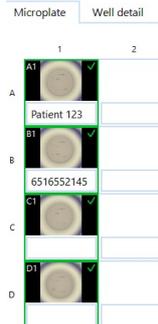
- Click on **„Read selected“**



- Select Lot from the list or scan the code on Calibration card (attached in the kit) by barcode reader



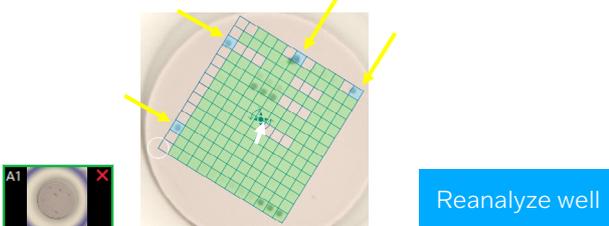
- The reader scans the wells, green tick indicates that validation criteria were fulfilled and the test is valid



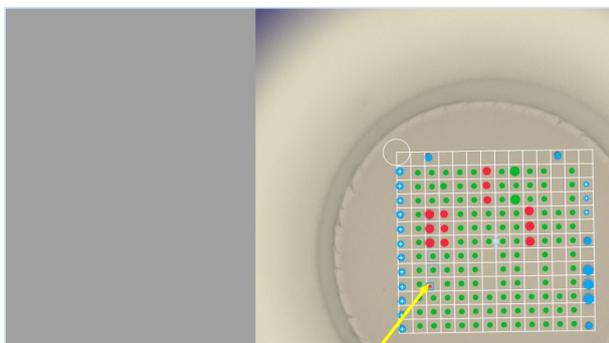
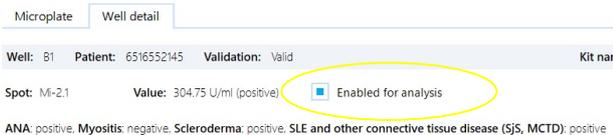
In the case of yellow triangle, the analysis is not valid, validation criteria are not fulfilled



If a red cross appears, the grid was not found – try to adjust grid on reference marker spots and „Reanalyze well“ (mouse cursor in the middle, rotate the grid using scroll wheel)



- All antigen spots can be checked in „Well detail“ section by double click on specific well



Dots, impurities, falsely evaluated antigen spots can be removed by discarding of „Enabled for analysis“

- Click on „Proceed“ to evaluate all results

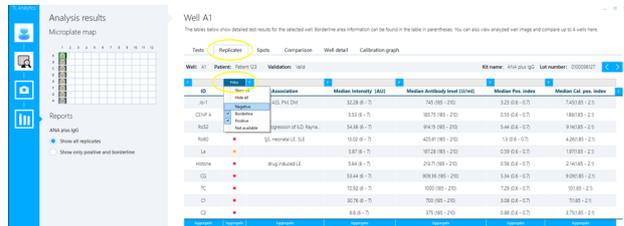


3. Evaluation of antigens

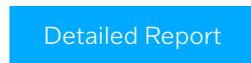
- Results of tests (negative, borderline, positive) are displayed and summarized in table



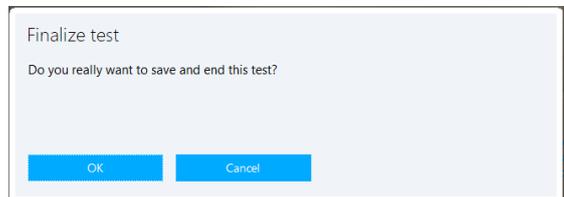
- Concentrations of all specific antigens („Median Antibody level“) are displayed in „Replicates“
- Only positive and borderline results can be shown using filter



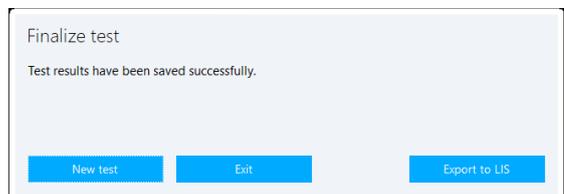
- Click on „Detailed report“ to create the final report of results in pdf format



- Save complete analysis by click on „Save“ and confirm „OK“



- Exit the analysis or read a new plate
- Export results to LIS





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