





• Open software by douple 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)

Update test configuration	าร	
Checking for updates		

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**

New reading	
Parameters	
Test configuration	
027 (ANA plus IgG)	Ξ
Test name	
Test ANA	
Save folder /2024-07-30-14-57-57-Test ANA	

• 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

icroplate	Well de
1	
	1

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

Read selected	Read all

 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 Parameters Test configuration • Click on icon in the bottom box 1 Ξ Select Test from the list and confirm by OK Select test configuration Choose a test configuration from the list below. • 005 (Chlamydia IgA) 006 (Chlamydia IgG)
 007 (COVID-19 IgA) 008 (COVID-19 lgG) 009 (COVID-19 IgM)
 010 (EBV IgA) 010 (EBV IgA)
 011 (EBV IgG)
 012 (EBV IgM)
 013 (Bordetella IgA)
 014 (Bordetella IgG) 015 (Bordetella IgM)
016 (Helicobacter IgA) 017 (Helicobacter lgG) 018 (Yersinia IgA) 026 (ANA Click on "Read selected" Select Lot from the list or scan the code on Calibration card (attached in the kit) by barcode reader

Calibration card reading	
The DM code was not read from the bottom of the well for well D1. Select a kit lot for the well or scan the calibration card using a barcode reader. If you close this window, the well will not be analyzed.	
• 0100109354	
• 0100113619	
• 0100114156	
• 0100113618	
• 0100112111	
• 0100110623	
• 0100110627	
• 0100109862	
• 0100110080	
• 0100109339	
ОК	

• 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

D1		Micr	oplate	e Well detail		
	\bigcirc	Well:	D1	Patient:	Validation: Invalid calibration (C3 > 3 × C4 not met).	

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



3. Evaluation of antigens

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

nalysis results	Well A1	and one of the line	to calculated wat Residenties was in	Assessing the fit of a fit of a	in exception of the day has been actived out	The set of the set of the	d and it have
icroplate map						inde and compare up to	
	Tests Replicates	Spots	Comparison Well detail	Calibration graph			
	Well: A1 Patient Patient	123 Velida	dion: Vold		Kit name: ANA	plus lg5 Let number: 1	0100096127 <
	Test	Result	Result description	Comment	Comment of the lab	Include in repo	et
	ANA	•	Positive		(ð 🖌	38-1; PL-7; PI
	Mjosits	•	Positive		(ð 🗹	20-1, PL-7, PI
	Scieroderma	•	Borderine		(ð 🖌	PM5d 100. PI
6	SLE and other connective 5		Positive		(ð 🖌	NOR90: RoSa
Show all replicates						-	

- 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

Finalize test		
Test results have been save	d successfully.	
New test	Exit	Export to LIS









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