

**BioVendor  
Group**

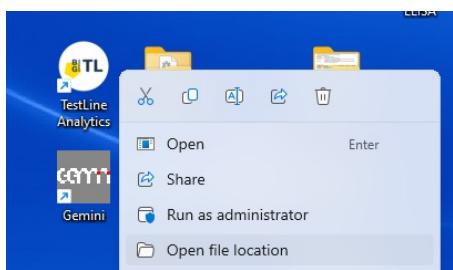
**MBA**

BIOVENDOR.GROUP

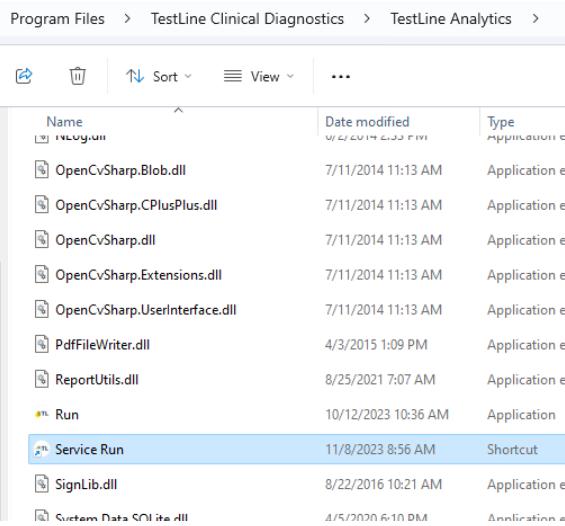
# MBA Reader calibration

Quick calibration guide

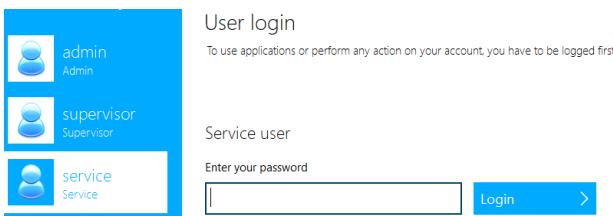
- Click on **TestLine Analytics „TL“** icon by right mouse
- Select „**Open file location**“



- Open „**Service Run**“ software by double click



- Select „**service**“ account
- Enter password „**A7ya8qx.**“ and click on **Login**



- Click on „**Service Calibration**“

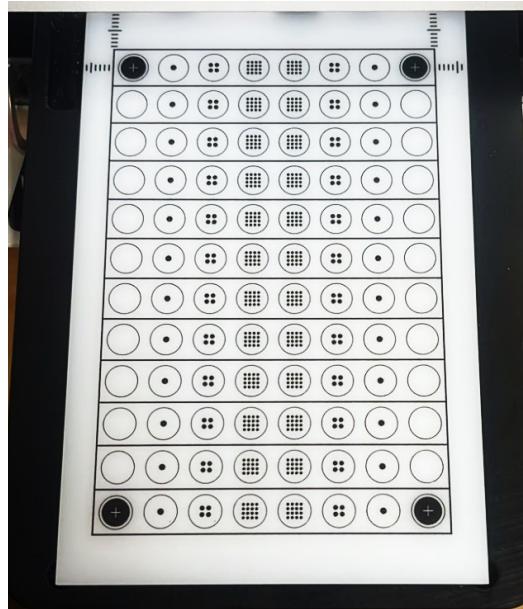


## 7. Z axis configuration

- Click on „**Eject**“

**Eject**

- Insert a white calibration plate into frame (lines must be oriented to reader)



- Click on „**Insert**“

**Insert**

- Click on „**Go Z Inserted Plate**“

**Go Z Inserted Plate**

The blue circle must match the circular edge of the calibration point (well) which must be well focused

- Click on „**Proceed & Save**“

**Proceed & Save >**

**Save**

## 8. Reference Positions

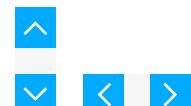
- Click on „**Autocalibrate Positions**“

**Autocalibrate Positions**

- Click on „**Insert**“

**Insert**

Adjust the blue cross in the middle of white cross inside of calibration point (well) by arrows



- Click on „Set Insert“

**Set Insert**

- Click on „Go A12“

**Go A12**

Adjust the blue cross in the middle of white cross inside of calibration point (well) by arrows



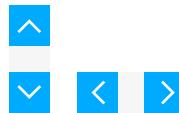
- Click on „Set A12“

**Set A12**

- Click on „Go H1“

**Go H1**

Adjust the blue cross in the middle of white cross inside of calibration point (well) by arrows



- Click on „Set H1“

**Set H1**

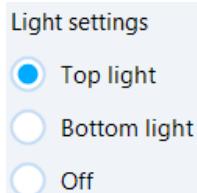
- Click on „Proceed & Save“

**Proceed & Save >**

**Save**

## 9. Lights Configuration

- Select „Top light“ setting



- Click on „Check and fast calib“

**Check and fast calib**

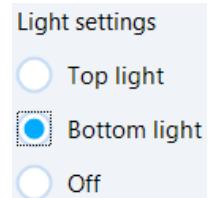
Calibration must be OK

Well	Reference	Sampled	OK
A2	140.48	141.30	✓

- Replace the white calibration plate with a transparent one (lines must be oriented to reader)



- Select „Bottom light“ setting



- Click on „Go Z Inserted“

**Go Z Inserted**

Focusing of the calibration point (well) must be performed

- Click on „Check and fast calib“

**Check and fast calib**

Calibration must be OK

Well	Reference	Sampled	OK
A2	177.96	178.23	✓

- Write your name and click on „Print report“ to create calibration report

Name:

 Print report

Validation of Top and Bottom lights must be True

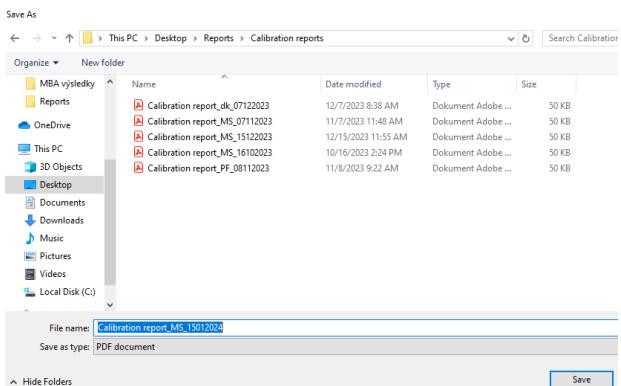
Before calibration				After calibration			
Top light		39		Top light:		39	
Well	Reference	Sampled	Valid*	Well	Reference	Sampled	Valid*
A2	140.48	141.16	True	A2	140.48	141.30	True
Bottom light:				Bottom light:			
Well	Reference	Sampled	Valid*	Well	Reference	Sampled	Valid*
A2	177.96	197.52	False	A2	177.96	178.23	True

\*Maximal deviation of sampled value from reference value is within 3% of the intensity range.

- Click on „Export“

Export

- Save calibration report to the folder created on desktop

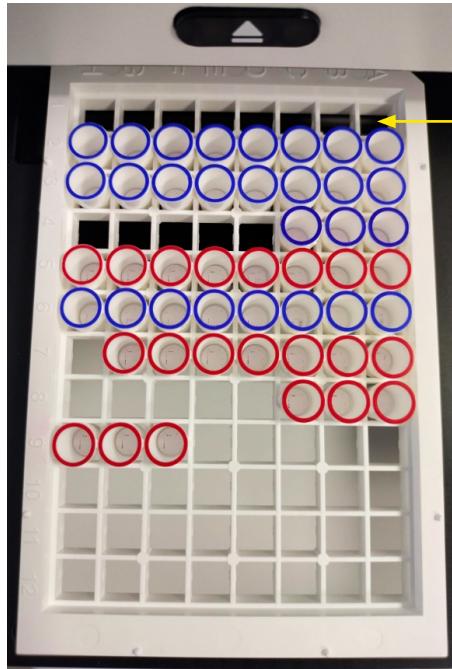


- Click on „Proceed & Save“

Proceed & Save >  Save

## 10. Bottom Camera

- Replace the transparent plate with a regular MBA plate containing wells with QR codes on the bottom. First line (No. 1) must be empty without any well.



- Click on „Insert“ for focusing on the first empty line in frame

Insert

- Click on „QR Location“

QR Location

The yellow squares must fit properly on hole in plate



- Click on „Next“ to move on QR on wells

Next

- Click on „Test QR“

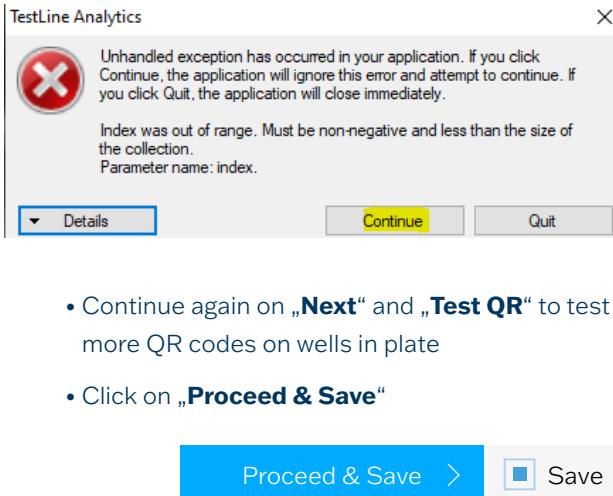
Test QR

Code must be displayed

Well A8: 0100084079102901164

Test QR

In case of following error message click on „Continue“



## 11. Reports and Backups

- Select „Top light limit“ (20 Hours)

Next autotest lights run time limits:

<input checked="" type="checkbox"/> Top light limit	<input type="checkbox"/> Bottom light limit		
Hours	Minutes	Hours	Minutes
20	0	20	0

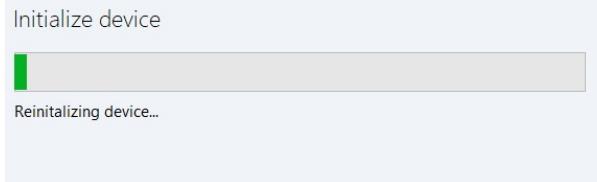
- Click on „Save“

Save >

- Click on this arrow to leave the page



Device is initialized



- Close Service software by a cross



- Continue in User software





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