

# *ADAM CellT*

# QC Slide

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## User Manual



## Quality Control

ADAM-CellIT QC Slide allows quick diagnosis when problems occur.

Additionally, it reduces concerns of customers by checking the accuracy of the instrument frequently.

QC Slide is used

- to provide absolute particle numbers
- to calibrate the automatic focus
- to check the position of the slide stage

## QC Slide

### QC Slide information

- QC Slide for Automated cell counter (QCS-001)
- Ex 546 nm, Em 568 nm
- Acceptance range: Found at the top of the QC Slide or plastic case
- Acceptance peak size: 13 ~ 16  $\mu\text{m}$
- Dimensions: 74.9 mm (W) x 24.9 mm (D) x 2.0 mm (H)

### Storage & Handling

- Store the QC Slide in a case at room temperature when not in use.
- Protect the QC Slide from light until used.
- Be careful not to damage the slide as it is made of glass.
- Avoid contamination when handling, as contamination on the back of the slide may affect counting.

※ Please avoid contamination at all times. Clean the testing area with a laboratory tissue moistened with 70% ethanol prior to use.

- Do not freeze.
- Expiration date: 1 year

## Quality Control Protocol – test 1

### Performance test 1- without QC Slide

- 1) Insert an empty chip and operate the instrument.
- 2) Check the result on the ADAM-CellIT screen.

### Data analysis

- The result of performance test1 should have a value of 0 (zero) for each chamber.

# Quality Control Protocol – test 2

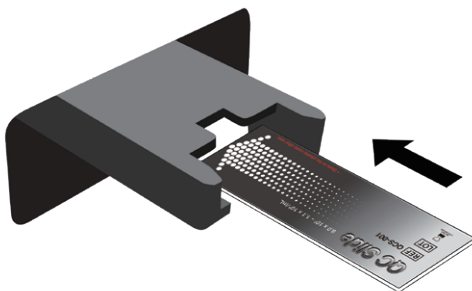
## Performance test 2- with QC Slide

- 1) Activate the ADAM-CellIT QC mode using QC slide lot number and *activation code*\*.
- 2) Please register the QC Slide lot in the 'QC' tab QC slide Edit.
- 3) Insert the QC Slide and operate the instrument.
- 4) Check the result on the ADAM-CellIT QC mode screen or test report.

※ For more information about activation of QC mode, refer to page 3.

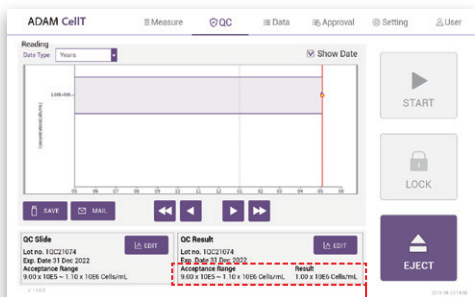
## How to correctly insert QC Slide

Make sure to insert the QC Slide correctly following the direction of arrow.



This side of slide should be facing up.

See ADAM-CellIT instrument manual for detailed instructions.



QC Slide result

## Data Analysis

- 1) The result of performance test2 should meet the 'Acceptance range' in the QC slide.  
(Example:  $9.0E5 \sim 1.1E6$  /mL)
- 2) Acceptance peak size check.  
(ADAM-CellIT peak graph value:  $13 \sim 16 \mu\text{m}$ ).
  - a. Click the 'QC' tab-'SAVE' or 'MAIL' button on ADAM-CellIT screen.
  - b. Check the QC Slide peak size (See Cell Size Information) in the exported ADAM-CellIT test report (PDF).

Diameter(μm)	Total count	Dead count	Total count	Dead count
11	0	0	1	1
12	2	11	2	3
13	128	85	109	16
14	1333	1304	1258	1145
15	261	357	303	547
16	26	0	44	26
17	0	0	4	0
Average	14.10	14.14	14.17	14.33
StdDev	0.525115	0.506466	0.587238	0.535675

QC Slide peak size

# Steps

To activate 'QC' mode, an activation code should be entered.

1) Select 'QC' tab from top menu.



2) Enter lot no. and activation code. Then, click 'APPLY' button.

Slide lot no. and activation code can be found on the plastic package label.

See below for details.

※ **Note:** A unique activation code is given for each instrument,  
and its authenticity can be checked by registering activation code.

Two screenshots of the activation screen. The left screenshot shows the input fields for 'Lot No.' and 'Activation code' with the instruction 'Tap here to enter the information.' and 'CANCEL' and 'APPLY' buttons. The right screenshot shows the same fields filled with '1QC21074' and 'N1BA3QA30BT5KY'. A red dashed box highlights the 'Activation code' field, and a red arrow points from it to the package label below.

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