

ADAM CellT

QC Slide

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 μm
- 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 – Foreign particle inspection, optional

Foreign particle inspection – without QC Slide



1. Go to Measure tab.
2. Without inserting a slide, press Start button to begin counting.
3. Check the result on the ADAM™ CellIT.

Data analysis

The results of measure test should have a value of 0 (zero).

Quality Control Protocol – test

Performance test - with QC Slide

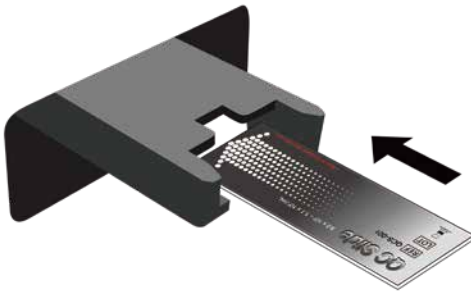


- 1) Activate the ADAM™ CellIT QC mode using QC slide lot number and *activation code**.
- 2) Please register the QC Slide lot in the 'QC' tab QC slide Edit.
- 3) Insert the QC Slide and operate the instrument.
- 4) Check the result on the ADAM™ CellIT QC mode screen or test report.

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

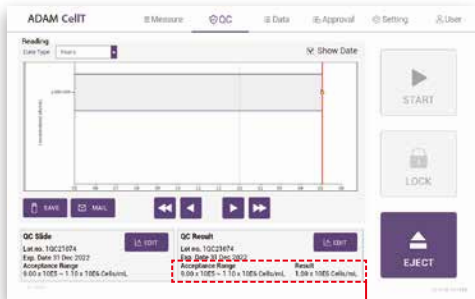
How to correctly insert QC Slide

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 ~16 μm).

- 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).
- c. Checking the peak size is for additional review, and should be performed if the result is outside of the acceptance range.

| 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 | 291 | 357 | 392 | 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

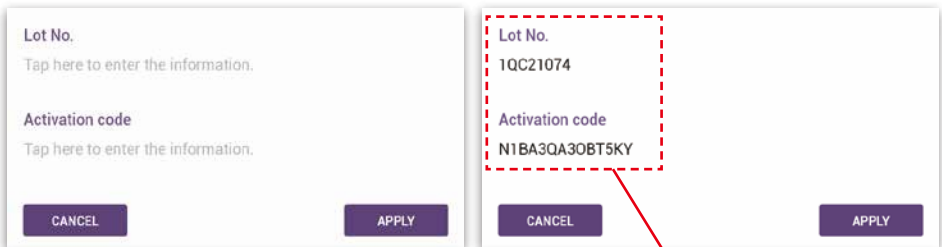
To activate 'QC' mode, an activation code should be entered.

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.



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NESMU-ACTQC-001E (V.0.1)