QuickQuant™ Quick Start – How to establish:

1) the control test value, **2a)** comparison test values of static or **2b)** in-vitro cell-culture samples – ***antibody production monitoring in minutes***.

1) Archive or Control IgG Standard sample procedure

Dilute 2 µL of the standard control with 198 µL Sample Diluent Buffer in a 12x75 mm borosilicate glass reaction tube.

Place test strip into reaction tube.

Read strip at 10 minutes and not after 20 minutes.

NOTE: The Mouse IgG subclass Standard should produce visible control line and test line reactions on the test strip. When evaluated using the color intensity chart (Figure 2, Page 2), the color developed on the strip should be comparable to the +3 to +4 color range.

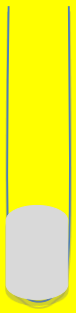
Materials Required But Not Provided:

- Laboratory-quality distilled, deionized water
- 96-well microtiter plates, low protein binding, and/or microtubes for performing dilutions
- 12 x 75 mm borosilicate glass reaction tubes for inserting test strips
- Archive / Control Samples – see Archive Sample Preparation procedure on Page 3

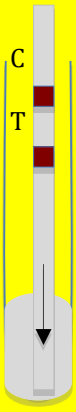
2a) Static cell-culture procedure

2 µL sample + 198 µL Sample Diluent Buffer

20 µL sample from well or microtube #1 + 180 µL Sample Diluent Buffer to reaction tube



Place test strip into reaction tube.



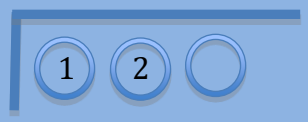
Read strip at 10 minutes and not after 20 minutes.

2b) In-vitro culture procedure

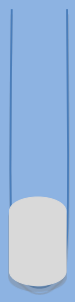
2 µL sample + 198 µL Sample Diluent Buffer

Secondary Sample Dilution protocol, see Table A, Page 2

1) 20 µL sample from well or microtube #1 + 80 µL Sample Diluent Buffer to well or microtube #2, or
2) 10 µL sample from well or microtube #1 + 90µL Sample Diluent Buffer to well or microtube #2, or
3) 5 µL sample from well or microtube #1 + 95 µL Sample Diluent Buffer to well or microtube #2, or
4) 2.5 µL sample from well or microtube #1 + 97.5 µL Sample Diluent Buffer to well or microtube #2



20 µL sample from well or microtube #2 + 180 µL Sample Diluent Buffer to reaction tube



Place test strip into reaction tube.

Read strip at 10 minutes and not after 20 minutes.

Record results in comparison to test samples and compare over time.

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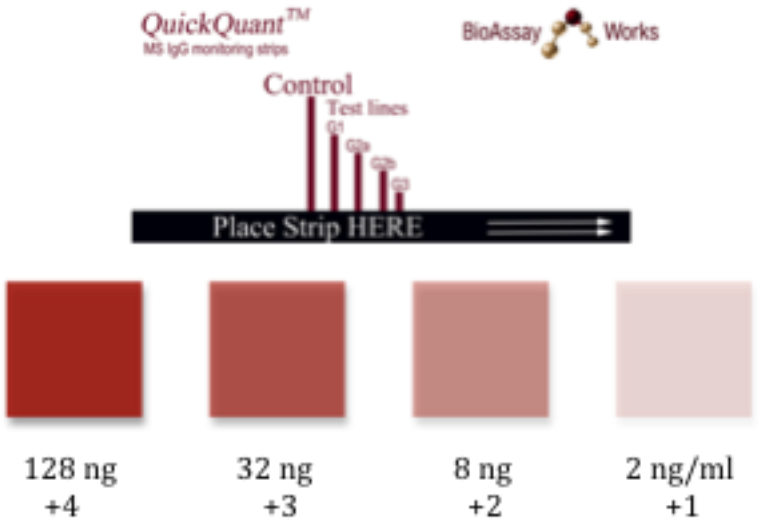
Supplied with the QuickQuant™ Mouse IgG Lateral-flow Quantification Kit is a strip-reading template and color chart (QQCHT-0002) similar to the graphic below. Reading the test strip at 10 minutes of reaction time and less than 20 minutes, align the developed test strip on the black strip-alignment guide. With this reference chart you will be able to confirm:

1) That the test ran properly by seeing the developed, red control-line that is positioned farthest from the arrows on the test strip,
2) The sub-class of the antibody using the four "G" test-line markers, and
3) The relative antibody concentration by identifying the developed color on the test line with the best color match on the reference chart.

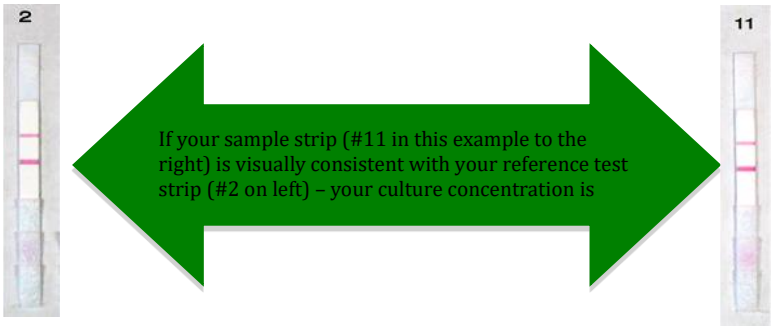
Record the test value from the Archive or Control sample as well as the current test-sample value for future test-value comparisons.



Monitoring example (see complete guide in product insert):

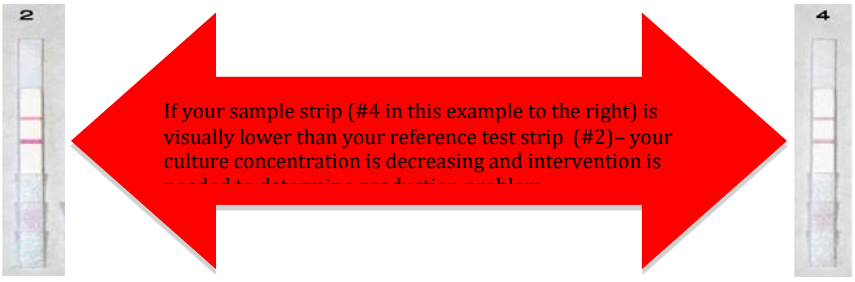
Favorable antibody production condition example – Note consistent production values below:

Test Date	01/21	01/25	01/28
Semi-quantitative test results	+5	+5	+5
Archive test results	+5	+5	+5



Suspect antibody production condition example – Note production decreasing in example below:

Test Date	01/21	01/25	01/28
Semi-quantitative test results	+5	+3	+2
Archive test results	+5	+5	+5



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