

QUICKQUANT™

Mouse IgG Quantification Kit

Simple 15-minute test enables routine monitoring of monoclonal antibody production

Monitoring Monoclonal Production

Selecting the right clone, monitoring and adjusting selected metabolic parameters during *in-vitro* monoclonal antibody (mAb) production helps ensure optimal antibody yields. The concentration of mAb production from hybridoma cells can be extremely variable. Static cell cultures will produce concentrations ranging from <10 µg/mL to >60 µg/mL. Other mAb production processes, such as perfusion bioreactors and hollow-fiber systems can improve on these concentrations, but can also vary in their yields.

QuickQuant™ Mouse IgG Quantification lateral-flow tests help you select the most promising clones and monitor semi quantitatively mAb production in “real time” easily from the manufacturing floor. The tests provide a baseline standard for in-vitro methods, allowing researchers or manufacturers to rapidly monitor mAb yields and regularly adjust their processes to keep production yields high.

Specific, Easy Quantification

The QuickQuant™ Mouse IgG Quantification Kit offers effective and easy mouse IgG quantification. This kit is specific to Mouse IgG and unlike total protein tests, can be utilized for a variety of samples that may contain other proteins. Compared to ELISAs most often used for mouse IgG quantitation, QuickQuant™ is fast, easy-to-perform, and requires no other equipment. The test is portable and can be run directly on the manufacturing floor.



Specifications

Sample Types: 2 µl cell culture supernatant, ascites, serum, or plasma

Standard Provided: A Mouse IgG Subclass Standard 1X PBS is provided

Technique: Lateral-flow immunoassay

Detection Method: QuickQuant™ dipstick is added to a diluted sample. In the presence of mouse IgG, the gold-labeled anti-mouse IgG located in the conjugate pad interacts with the migrating IgG. The complex travels through the nitrocellulose membrane and binds to an anti-mouse IgG capture line, forming a red line that can be read in 15 minutes.

Equipment: No special equipment required —read visually. Lateral-flow reader (optional) can be used to obtain semi quantitative results.

Features & Benefits

Easy: Simple to use dipstick

Fast: Test results in 15 minutes

Economical: Small samples, no additional reagents or equipment needed.

Sensitive: Provides reliable results for samples between 10 – 500 ng/mL.

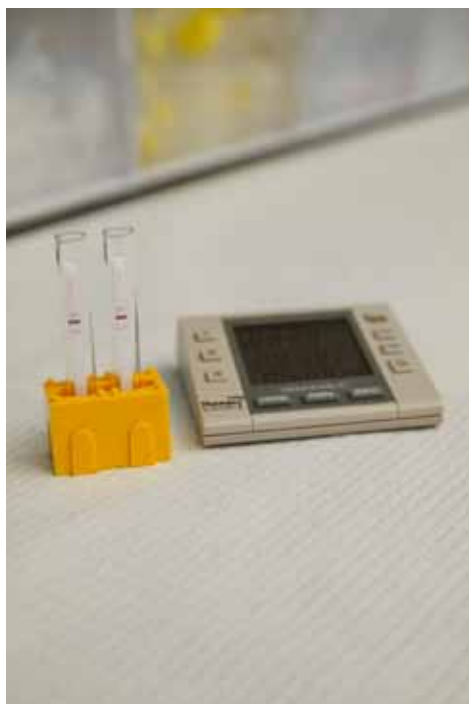
Semi Quantitative: Comparison of results to an archived sample or known standard enables a relative IgG concentration to be measured.

QUICKQUANT™ Mouse IgG Quantification Kit

Fast, Easy Protocol



1. Dilute sample.



2. Add QuickQuant™ test strip and incubate 15 minutes.



3. Read results.

Ordering Information

Part Number	Description	Size
QQNT-030	QuickQuant™ Mouse IgG Quantification Kit	30 tests

Companion Product

Rapid test to determine mAb isotype and purity in 5 minutes.

Part Number	Description	Size
MISOT-010	Iso-Gold™ Rapid Mouse Antibody Isotyping Kit	10 tests

Readers of Lateral-Flow Strips

Part Number	Description	Size
LFRC-001	CUBE Lateral-Flow Reader	1 each
LFRB-001	Multiple Line Reader	1 each