



Mouse IgG Assay for Cedex Bio & Bio HT Analyzers

Reliable and convenient automated determination

Mouse immunoglobulin G antibodies (IgG) are commonly used for specific detection of protein targets in research, *in-vitro* diagnostics (IVD), and pharmaceutical development of therapeutic antibodies. In development and bio-manufacturing of recombinant monoclonal mouse IgG, there is a need for reproducible determination of the IgG concentrations for in-process control and quality control. The test kit for Cedex Analyzers enables automated determination of mouse IgG with high precision, short time to result and high convenience.

Assay principle

The immunoturbidimetric assay uses anti-mouse IgG antiserum from sheep which forms a precipitate with mouse IgG from a sample. The emerging precipitation is measured by photometric absorption at 340 nm. All relevant subclasses of mouse IgG antibodies (IgG1, IgG2a, IgG2b) can be detected with this kit. The calibration with the provided calibrator solution from Roche results in a good accuracy for most of the common mouse IgG products. In case of uncommon products, optimal accuracy of the determination can be achieved using the specific IgG product for custom calibration of the test.

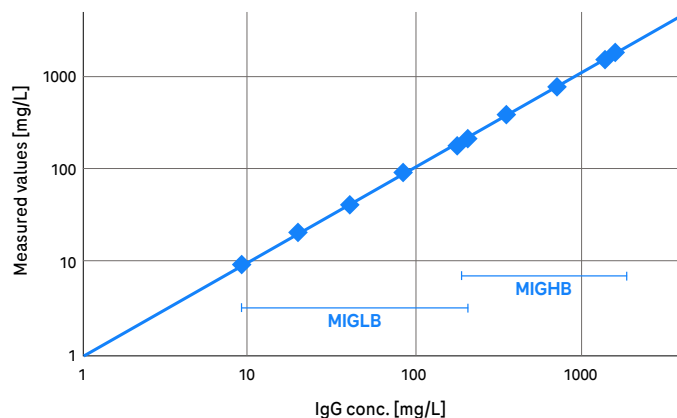
Benefit from a wide and sensitive measuring range

The same reagent can be used with several protocol settings to cover a wide concentration range of IgG:

Protocol	Measuring range
MIGLB	10 – 200 mg/L IgG
MIGHB	200 – 1500 mg/L IgG
MIGHD	1500 – 7500 mg/L IgG, up to 150 g/L with auto-dilution

Reliable determination for the right decisions

Perfect test linearity and accuracy:



01

Recovery of Mouse IgG spiked into cell culture medium RPMI-1640 on a Cedex Bio HT Analyzer, showing a consistent accuracy over the wide range of the test protocols MIGLB and MIGHB. (Roche evaluation data)

High test precision

	Level 1	Level 2	Level 3
Mean	68 mg/L	472 mg/L	946 mg/L
CV in-run	1.0 %	1.9 %	1.5 %
CV inter-run	1.6 %	1.4 %	1.6 %

Representative performance data from several Cedex Bio HT Analyzers are shown. Results obtained in individual laboratories may differ. Coefficients of variation (CV) were calculated for in-run precision (n=21) and inter-run precision (on 10 days). (Roche evaluation data)

Ordering information

Product	Pack size	Catalog Number
Mouse IgG Bio	4 x 50 tests	08 377 944 001
Mouse IgG Bio HT	200 tests	08 377 979 001
Calibrator F Bio	6 x 1 mL	08 377 987 001
Control F Level 1	6 x 1 mL	08 377 995 001
Control F Level 2	6 x 1 mL	08 378 002 001
Control F Level 3	6 x 1 mL	08 378 029 001

Regulatory Disclaimer

For use in quality control/manufacturing process only.

Trademark

CEDEX is a trademark of Roche.



Scan for ordering
information for all Cedex
Bio Analyzer and Cedex
Bio HT Analyzer assays

© 2023

All rights reserved.

Published by

Roche Diagnostics GmbH
Sandhofer Str. 116
68305 Mannheim
Germany

[custombiotech.roche.com](https://www.custombiotech.roche.com)

Please contact your local CustomBiotech representative

Europe, Middle East, Africa, Latin America
mannheim.custombiotech@roche.com

United States
custombiotech.ussales@roche.com

Canada
custombiotech.can@roche.com

Asia Pacific
apac.custombiotech@roche.com