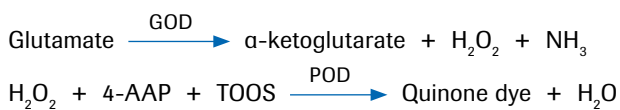


Glutamate Assay for Cedex Bio and Cedex Bio HT Analyzers

High performance and reproducibility with accurate data

The Glutamate Assay developed for the Cedex Bio and Cedex Bio HT Analyzers provides accurate and consistent quantitative measurement of glutamate in cell culture and fermentation media. The assay technology is based on a colorimetric method where L-glutamate in a sample is oxidized by L-glutamate oxidase. One of the byproducts, H₂O₂, generates quinone dye in the presence of peroxidase. The formation of dye is measured photometrically at 340 nm and is directly proportional to the glutamate concentration.



Trust results to make high confidence decisions

- High comparability to HPLC
- Wide range with automated on-board dilution capability
- Proven accuracy, reproducibility and precision

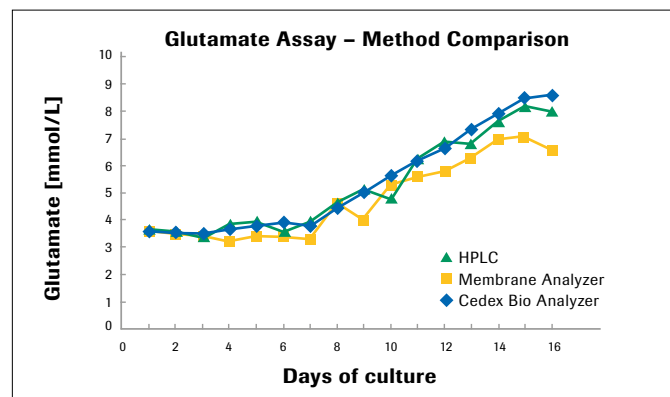


Figure 1: Glutamate concentrations in medium over a production period of 16 days were monitored on the Cedex Bio Analyzer, on a membrane analyzer, and with HPLC.*

Benefit from a wide and sensitive measuring range

	Glutamate Bio and Glutamate Bio HT
Range	15 to 1,500 mg/L, up to 150 g/L with automatic predilution and 0.1 to 10 mmol/L, up to 1.0 mol/L with automatic predilution

Conserve sample with low volume requirement

- Sample volume of 2 µl per test

* Data on file

For use in quality control/manufacturing process only.

Rely on efficiency to make the right decision

	Level 1	Level 2	Level 3
Mean	0.57 mmol/L (83.85 mg/L)	3.47 mmol/L (510.4 mg/L)	6.66 mmol/L (979.7 mg/L)
CV in-run	0.4 %	0.3 %	0.5 %
CV inter-run	1.6 %	2.1 %	1.9 %

- Automated dilution extended the measuring range
- ≤3% variability between duplicates (a & b)
- Reliable while Nova BioProfile 400 failed to report results during downtime and when above range

Save time with improved workflow efficiency

- Ready-to-use reagents
- Long on-board and calibration curve stability
- Barcoded reagents

	Cedex Bio	Cedex Bio HT
On-board stability	4 weeks	8 weeks
Calibration curve stability	8 weeks	8 weeks

Take control of your bioprocess with the Cedex portfolio

- Broad and expandable assay menu
- 2 instrument platforms with **identical technology, menu and reagents** to fit throughput, automation needs
- Solutions for development and manufacturing environments

Ordering information

Product	Pack size	Catalog number
Glutamate V2 Bio	4 x 50 tests	07 395 582 001
Glutamate V2 Bio HT	200 tests	07 395 566 001
Calibrator A Bio	6 x 1 ml	06 682 189 001
Control A Level 1 Bio	6 x 1 ml	06 682 197 001
Control A Level 2 Bio	6 x 1 ml	06 682 227 001
Control A Level 3 Bio	6 x 1 ml	06 682 545 001

Regulatory disclaimer

For use in quality control/manufacturing process only.

Trademarks

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