



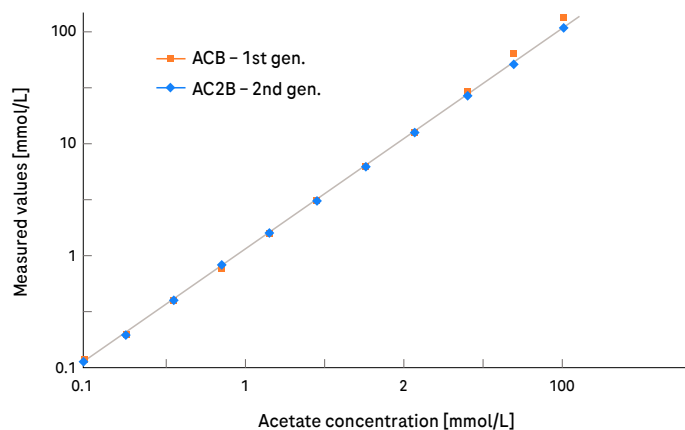
# Acetate Assay for Cedex Bio & Bio HT Analyzers

High performance and reproducibility with accurate data

The Cedex acetate assay provides fast and accurate quantitative determination of acetate, a metabolite commonly monitored in microbial fermentation processes.

**Save time with improved workflow efficiency**

- No sample filtration or other pretreatment required
- Barcoded reagents, ready-to-use
- Long on-board and calibration curve stability
- Accurate results over a wide concentration range with automated on-board dilution capability (Fig. 01)



01

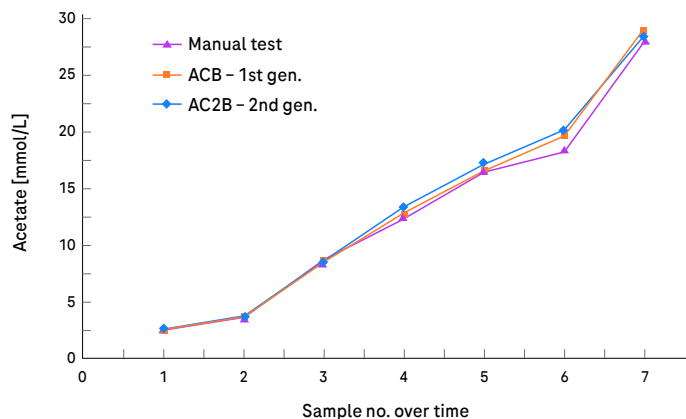
**Recovery of acetate.** Acetate was spiked into bacterial culture medium in defined concentrations and measured using the 1st and 2nd generation of the acetate assay on the Cedex Bio HT Analyzer in parallel. (Verification data of Roche R&D)

### Benefit from a wide and sensitive measuring range

	Acetate V2 Bio	Acetate V2 Bio HT
<b>Range</b>	0.25 - 38.9 mmol/L 15 - 2300 mg/L	0.17 - 38.9 mmol/L 10 - 2300 mg/L
	up to 3.89 mol/L, 230 g/L with automated on-board dilution	

### Easily convert to automated Cedex testing

Cedex acetate test results are highly accurate and equivalent to results of other photometric assays for manual determination of acetate on microtiter plates (Fig. 02).



02

**Acetate Assay - Method Comparison.** Acetate concentration was determined in an *E. coli* culture using a manual reference test (R-Biopharm, cat. no. 10148261035) and the two assay generations on the Cedex Bio Analyzer in parallel. (Verification data of Roche R&D)

## Rely on precise results

	Level 1	Level 2	Level 3
<b>Mean</b>	2.8 mmol/L	17.8 mmol/L	28.4 mmol/L
<b>CV in-run</b>	1.6 %	1.0 %	0.7 %
<b>CV inter-run</b>	4.5 %	3.9 %	4.0 %

Precision was determined in samples of three concentration levels. Coefficients of variation (CV) were calculated for in-run precision (n = 21) and inter-run precision (on 10 days). Representative performance data from Cedex Bio HT Analyzers are shown, results obtained in other laboratories may differ.

### Take control of your bioprocess with the Cedex portfolio

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

## Ordering information

Product	Pack size	Catalog Number
Acetate V2 Bio	4 x 50 tests	07 395 442 001
Acetate V2 Bio HT	200 tests	07 395 485 001
Calibrator D Bio	6 x 1 mL	07 368 321 001
Control D Level 1 Bio	6 x 1 mL	07 368 178 001
Control D Level 2 Bio	6 x 1 mL	07 368 186 001
Control D Level 3 Bio	6 x 1 mL	07 368 194 001

### Regulatory Disclaimer

For use in quality control/manufacturing process only.

### Trademark

CEDEX is a trademark of Roche.



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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](mailto:mannheim.custombiotech@roche.com)

**United States**  
[custombiotech.ussales@roche.com](mailto:custombiotech.ussales@roche.com)

**Canada**  
[custombiotech.can@roche.com](mailto:custombiotech.can@roche.com)

**Asia Pacific**  
[apac.custombiotech@roche.com](mailto:apac.custombiotech@roche.com)