

Roche Cedex Bio[®]/Bio HT[®] Analyzer



Analyze your bioprocess in cell culture and fermentation

Control of cell culture		Control of bacteria		
Glutamine	_____	Glucose	_____	Acetate
Glutamate	_____	Galactose	_____	Glycerol
Glutamax	_____	Lactate	_____	Sucrose
LDH	_____	Ammonia	_____	Sucrose
IgG	_____	Phosphate	_____	Formate
Ig Fab	_____	Total Protein	_____	OD
Cholesterol	_____	Iron	_____	Ethanol
Pyruvate	_____	Ca, Mg, Na, K	_____	

Control your bioprocess with Cedex Bio® / Bio HT®

A high predictability in your bioprocess regarding cell cultivation and fermentation requires precise and accurate data that reflect the actual conditions in a cell culture system, even at low analyte concentrations. Otherwise, the desired product yield and quality are at risk. Compared to membrane-based analyzers, Cedex Bio® Analyzers offer a significantly higher reproducibility, accuracy and precision and support your success – at any stage of your bioprocess:

✓
High accuracy
via reagent formulation and application optimization

✓
Low-end sensitivity
via low sample volume requirement

✓
Reliable performance
via photometric technology

✓
Broad dynamic range
via reduction of dilution processes and on-board dilution capabilities

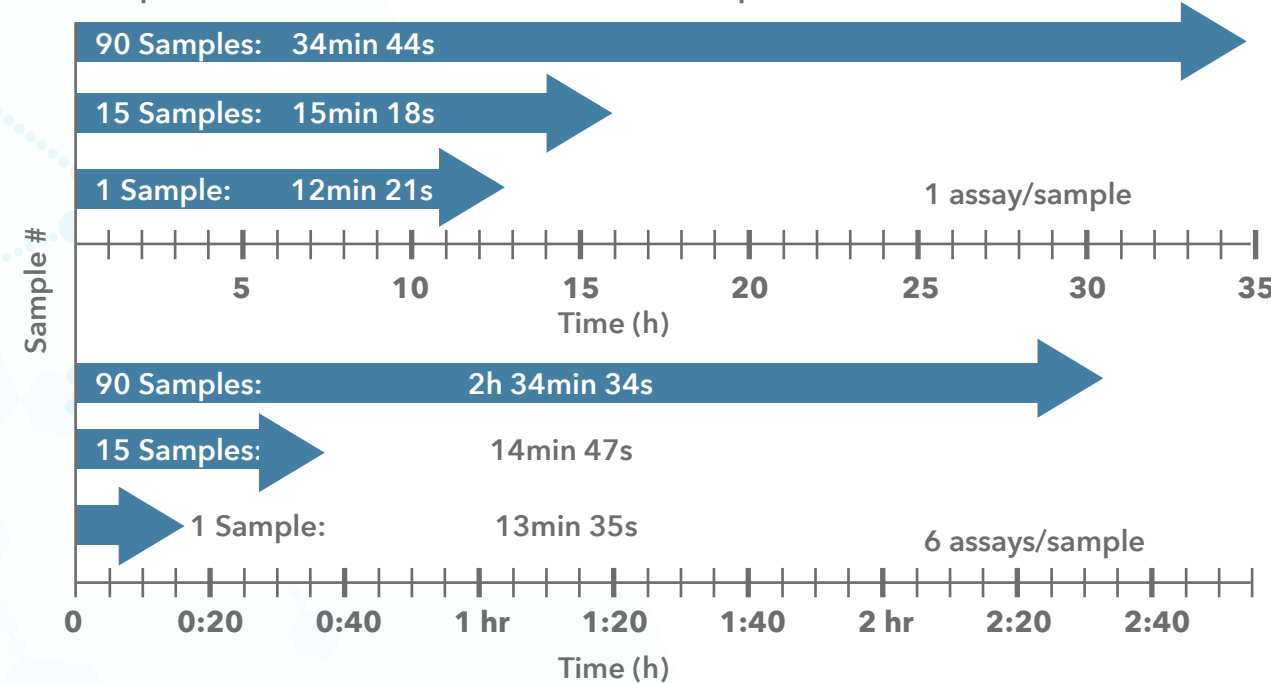
✓
Consolidated platform
via single analyzer for multiple parameters and culture systems

✓
High precision
via individual cuvettes and pipetting accuracy

✓
High flexibility
via simple loading of barcoded reagents and constant development of state-of-the-art assays

Cedex Bio HT® Workflow Efficiency

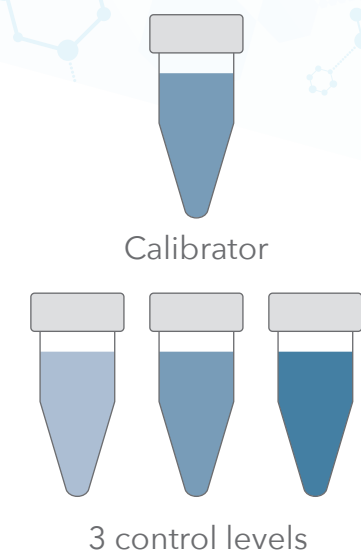
Comparison of Time to Result for 1, 15 or 90 samples



Time to Result is based on an example and is variable based on assays, dilution, etc.

Multi-analyte Calibrators and Controls

Minimal hands-on Time



A	Glucose, Glutamate, Glycerol, Human IgG, Ig Fab, Lactate, Phosphate, Sucrose*, Total Protein
B	Cholesterol, Glutamine, LDH, NH ₃
C	Calcium, Iron, Magnesium
D	Acetate, Ala-Gln, Formate, Galactose, Pyruvate
E	Ethanol
F	Mouse IgG, Sodium, Potassium
OD	Optical Density

Reliable, high-quality instrument for small sample throughput

- Small benchtop size
- Sophisticated and intuitive operating software with enhanced data safety
- Built-in touchscreen reduces qualification effort
- Robust and proven technology
- Low maintenance effort and frequency save time and money
- 21 CFR part 11 compliant



Cedex Bio®

Throughput
50 – 100 tests per hour
Sample capacity
Up to 8 samples at once (continuous loading)
Test kit loading capacity
up to 13 per disc
Daily maintenance
Semi automated, ~5 min hands-on time
Automated on-board sample dilution
Selectable dilution

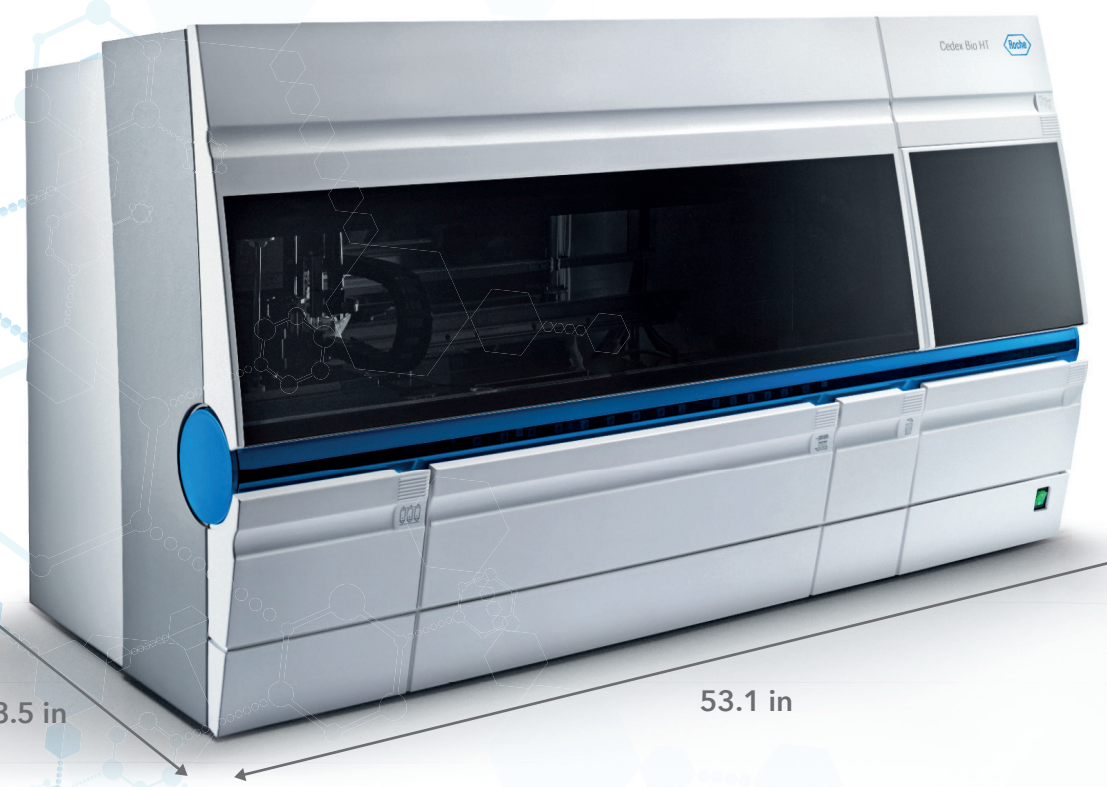
Cedex Bio HT®

Throughput
200 – 400 tests per hour
Sample capacity
Up to 96 + 30 samples at once (continuous loading)
Test kit loading capacity
up to 32
Daily maintenance
Automated
Automated on-board sample dilution
Freely programmable

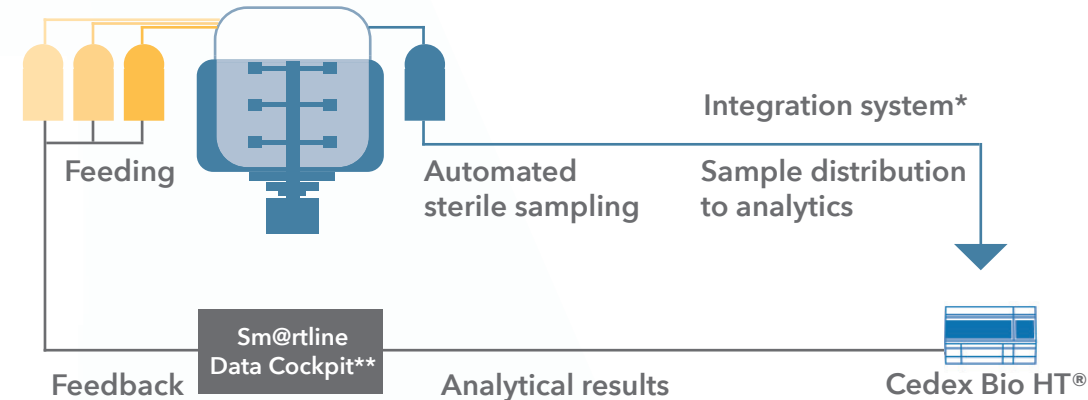
High correlation due to use of same consumables / reagents

Although the two analyzers differ in throughput and certain aspects you can rely on equivalent results.

A high correlation between the Cedex Bio and the Cedex Bio HT® Analyzers has been proven for all assays.



Cedex Bio HT® Full automation (optional)



*Various integration systems are available.

**Sm@rtline Data Cockpit is provided by AGU, Leverkusen, Germany



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