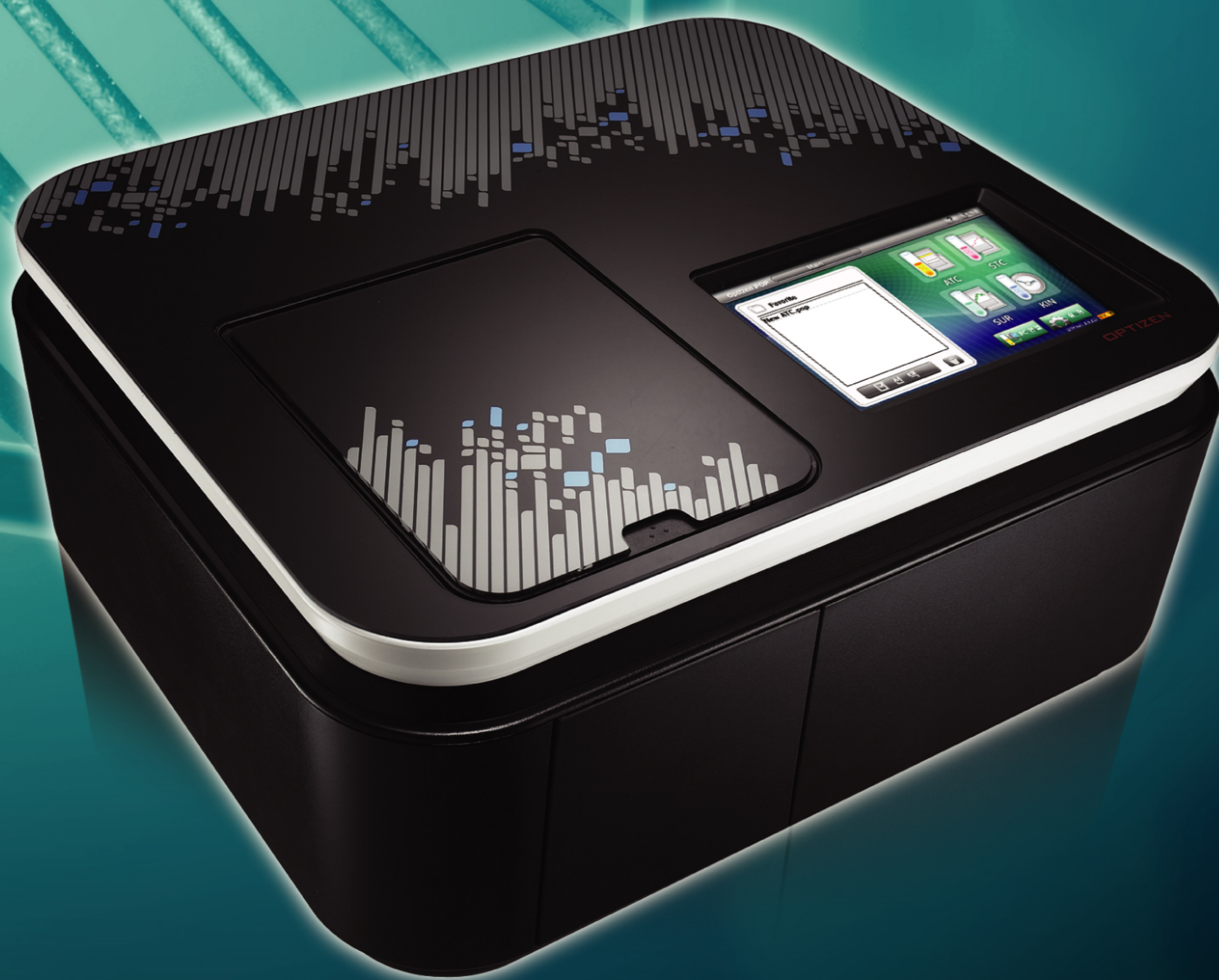


BIOCHEMICAL ANALYZER OPTIZEN BIO SERIES



OPTIZEN BIO SERIES

OPTIZEN Bio series mechanically and operationally designed in analyzing bio-chemistry.

Easy-to-process application system is built on the program dedicated to analyze Nucleic acid, DNA/RNA, Protein, Oligo concentration and more in biotech.

It is not just dedicated to DNA and protein analyses. It is an ideal general purpose spectrophotometer for such life science applications as multi-wavelength and simple kinetic-reaction measurements.

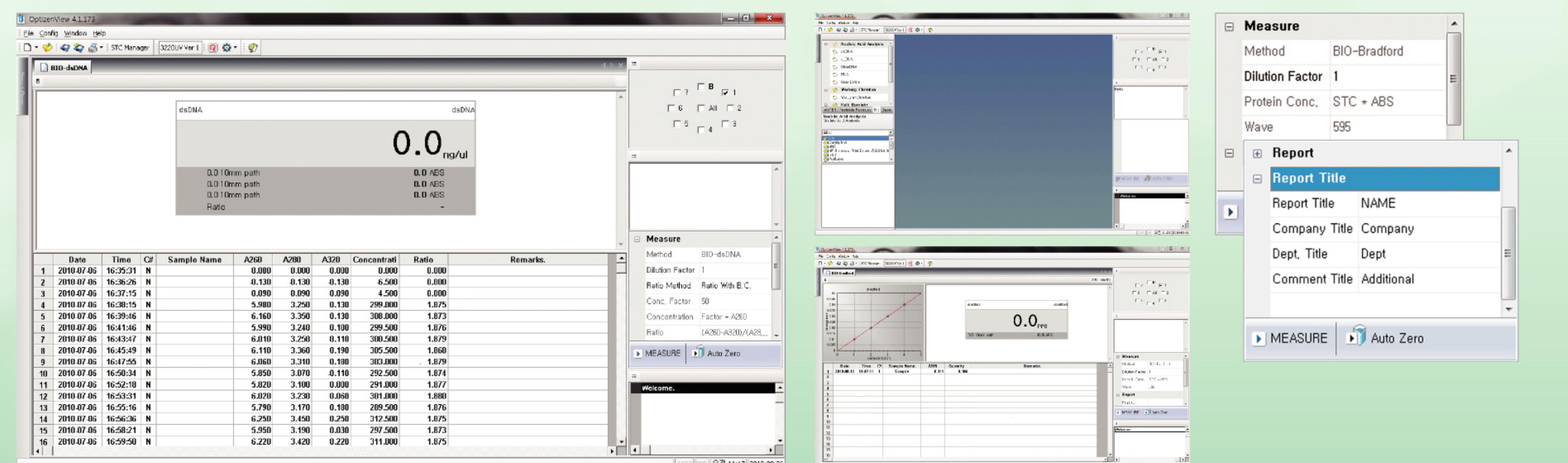
Mechanically designed micro volume cell holder forces to measure more concrete and precise value in small quantified sample in quick time.

HANDLING

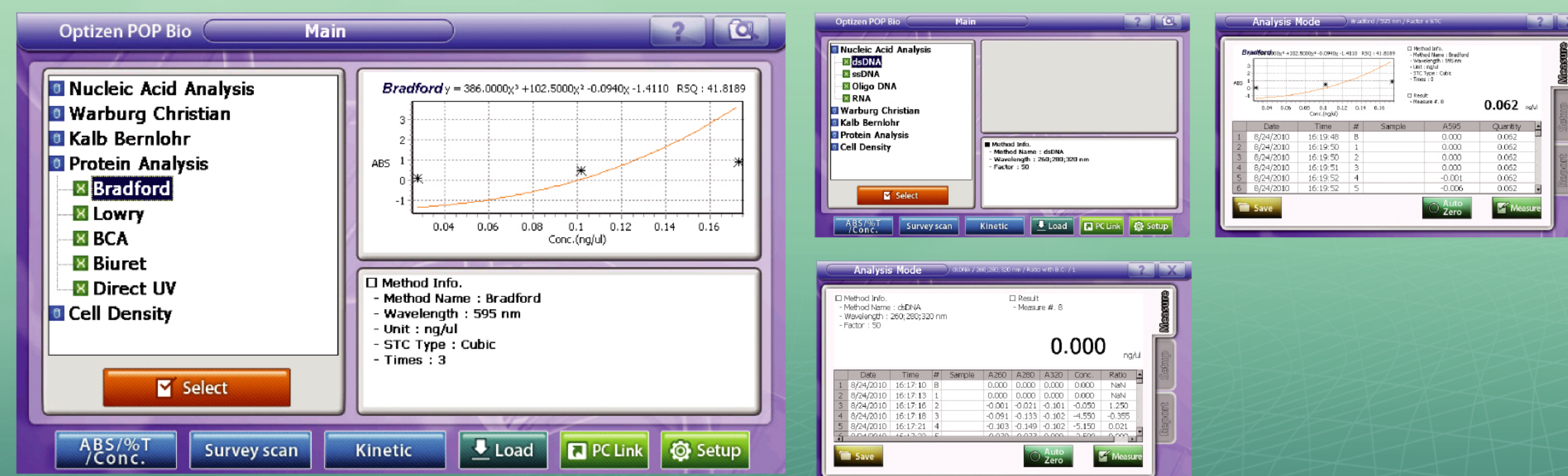
Optionally providing nanoliter cell does even more in measuring. With much small volume of sample in nanoliter cell, sample dilution is not necessary so that its sample could not be contaminated by other factors, and reproducibility goes greater.



SOFTWARE IMAGES



OptizenView 4.1



OPTIZEN POP Bio S/W

METHOD (3220UV Bio & POP Bio)

DNA/RNA analysis	Protein analysis	Cell Density
Quantification Mode Simple quantification method for Nucleic acids, A260 is used. The factor is varied according to types. dsDNA:Factor 50, ssDNA: Factor 37 RNA:Factor 40, OligoDNA:Factor 33	Direct UV(A280) The simple quantification method determines protein Quantities at 280nm.	To check bacterial cell growth, OD600(absorbance at 600nm)is used.
Ratio(Purity) check Nucleic acids are exposed contaminations of impurities(Trizol, humic acids, carbohydrates, Guanidine thiocyanate, nucleotides, peptides, EDTA, phenol)	Quantification with STC The quantification with STC method are using chromogenic materials interaction with peptides bonds, tryptophan etc. BCA method, Bradford method, Biuret method, Lowry method	

OPTIZEN BIO SERIES



OPTIZEN POP Bio



OPTIZEN 3220UV Bio

Introduce OPTIZEN POP Bio as new kind of analyzer in biochemistry.

Superb easy-processing economical system to analyze biochemistry with Window CE operating system

Our Optizen POP Bio Spectrophotometer puts leading-edge technology into a compact, convenient, modern touched design with voice guided manual.

Plus, All the Capabilities of a Standard Lab Spectrophotometer

Introduce our OPTIZEN 3220UV bio

Measure a blank as a reference and sample simultaneously to keep accuracy in measurements. Suggested band width is within 1nm to create measuring samples in versatility and flexibility you need to obtain accurate, reliable measurements for your biotech research.

Embedded supporting system of OPTIZEN 3220UV simplifies laboratory work to process data creating, saving, opening, reevaluating, and more.



ISO 14001



ISO 9001



BIOCHEMICAL ANALYZER OPTIZEN BIO SERIES



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