

High Throughput and High Precision Nucleic acid evaluation system

Quantitation | Kinetic | Thermal Stability

Concentration & Purity

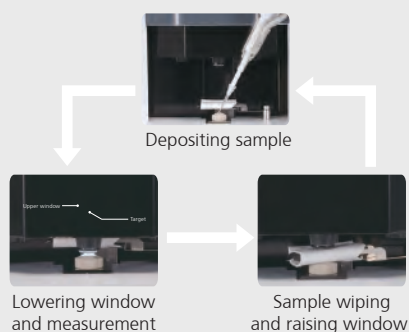
Power of Small



Biospec-nano

Microvolume Spectrophotometer
for DNA and RNA

- Accurate, Simply, Rapid Nucleic Acid Quantitation
- Continuous measurement with automatic mounting and wiping



Kinetic Studies

High Performance to meet diverse needs



UV-1900i

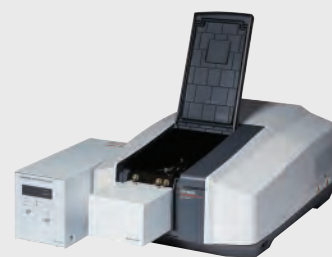
UV-Vis Spectrophotometer

- Full compliance with regulatory requirements on both standalone operation or PC controlled
- High-Precision Double Beam optical System and color touch Panel for assay and accurate measurement



Tm Analysis

Complete solution incorporates an 8-series electronically cooled cell holder, software, and controller.



TMSPC-8

Thermal Analysis System
with Higher Reliability

- Analyse the T_m (melting temperature) of nucleic acids (DNA and RNA) or other substances by temperature vs. absorbance graph data
- With eight electronically cooled software controlled microcells for efficient and accurate measurement



Diversified Shimadzu Spectrometry Solutions

BioSpec-nano (Spectrophotometer for Life Science)

Dedicated High Throughput Spectrophotometer for DNA and RNA Measurement

1. Drop-and-Start Measurement | Automatic Analysis & Easy Maintenance
Just drop the sample at target spot and click for measurement.
After measurement, system wipe the surface automatically.
2. Continuous measurement | by dispensing the sample with pipette
3. Micro volume of sample – 1 to 2 μ L of sample required
4. Quick & Simple Operation | Basic operations and output of data are performed quickly and simply with the click of a button
5. Reliable results | High-throughput measurement and automatic determination function simplify nucleic acid quantification.



UV-1900i (UV-Vis Spectrophotometer)

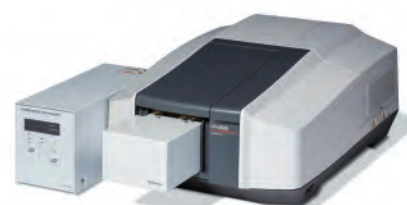
High performance to meet diverse needs

1. Built in methods | Kinetic and Biomethods
2. Ultra-Fast Scan Speed | 29,000 nm/min for Kinetic Studies
3. Low Stray Light | Enables precise measurement even in small amounts (few μ L)
4. Advanced regulatory compliance

TMSPC-8 (Tm Analysis System)

Thermal stability evaluation of high stability in wide dynamic range

1. The 8-series micro multi-cells | 10 mm and 1 mm pathlength permit the simultaneous analysis of up to eight samples, operated between 0°C and 100°C
2. Structure prediction | Determination of duplex, triplex, antisense and siRNA structures based on the thermodynamic parameters (ΔG , ΔH , ΔS), supported by high precision temperature control
3. Easy-to-use graphical interface | Provides seamless operation for measurement setup, monitoring, and analysis



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