

Zetasizer or Dynamic Light Scattering (DLS)



Brand: Malvern Panalytical

Model: Zetasizer Ultra

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Zetasizer is system for the measurement of particle and molecular size, particle charge and particle concentration, and represents the most intelligent and flexible instrument in the Zetasizer range.

Zetasizer specifications

Title	Zetasizer Ultra
System	
Laser safety	He-Ne (633 nm) Red label: 10 mW Max
Detector	Avalanche Photodiode
Temperature control range	0°C to 120°C (depend on cuvette)
Particle size and molecular size	
Size Measurement Principle	Non-Invasive Back Scatter (NIBS) Dynamic Light Scattering Dynamic Light Scattering (90° and 13°) Multi-Angle Dynamic Light Scattering (MADLS®)
Molecular Weight	Static Light Scattering (90° and 173°)
Optical Filter Wheel (Fluorescence/DDLS)	Yes
Low Volume Disposable Sizing Cell with Extended Size Analysis Support	Yes
MADLS® (High Resolution DLS)	Yes
Size Range	0.3 nm to 10 µm
Minimum Volume	3 µL (depend on cuvette) Normal is 1-1.5 mL
Zeta potential	
Measurement principle	Mixed-Mode Measurement phase analysis light scattering (M3-PALS)
Size Range	3.8 nm to 100 µm
Minimum Volume	20 µL (depend on cuvette) Normal is 1 mL
Sample conductivity range	Maximum: 260 mS/cm

Service Fee:

SC staff	Mahidol	Government	Private
200 Baht/hour	300 Baht/hour	400 Baht/hour	500 Baht/hour

Consumables prices

Cell & Stopper Kit Part Number DTS0012: 90 Baht / pcs.

Folded Capillary Zeta Cell Part Number DTS1070: 1,400 Baht / pcs.