



Zeta Potential Analyser



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TECHNICAL NOTE

About the instrument

Specifications

Capability

Sample requirement

Sample Limitation

Analysis Cost

Sample Preparation

About the Instrument

Instrument Name

Litesizer 500

Manufacture

Anton Paar GmbH, Austria

Specifications

Measurement principle

Electrophoretic light scattering (ELS)

Accuracy

Better than +/-2 % on certified reference material

Repeatability

Better than +/-2 % on certified reference material

Sensitivity

0.1 mg/ml (Lysozyme)

Measurement angle

15°, 90°, 175°

Capability

Colloidal stability / zeta potential

Sample requirement

Sample type	Liquid
Sample quantity	500 μ L - 1 ml
	Sample should be well dispersed in the solvent.

Sample Limitations

Only samples dispersed in water will be accepted for zeta potential analysis

Analysis cost

Academic	Industry
Rs 500 / sample	Rs 1000 / Sample

Sample Preparation

A pinch of the sample (~1 mg/mL) is to be dispersed in water using ultrasonication until it is well dispersed.