Atlas: Confidence in Every Drop

Atlas™ is a next-gen analytical platform powered by Near Infrared High-Precision Tunable Laser Spectroscopy (NIR-HPTLS). Atlas™ delivers fast, accurate insights in under a minute—without sample prep or delays—replacing assumptions with actionable data to reduce variability and accelerate decisions from bench to manufacturing.

KEY BENEFITS

· **Efficiency:** Uses just 15 µL of sample—non-destructive and fast

· **Speed:** Quantitative results in less than one minute

· **Simplicity:** No sample prep, no multivariate modeling, no complex workflows

· **Versatility:** Measures analytes across all bioprocess stages

· **Consistency:** Enables repeatable, operator-independent results.

· **Confidence:** Catch deviations early to reduce risk and ensure batch success

APPLICATIONS ACROSS THE BIOPROCESS

Buffers

· Spot check incoming buffer solutions

· Verify formulation accuracy

· Monitor for degradation or contamination

Surfactants & Excipients

· Quantify low-level components in complex matrices

· Validate presence and concentration in custom mixes

Final Formulation, RTRT, Form Fill

· Confirm identities and concentrations in process fluids

Protein & mAbs

· Measure high-concentration proteins and monoclonal antibodies

· Ensure product consistency and quality

Ready to eliminate variability and accelerate your process?
Experience the power of Atlas™—ensuring consistency and control from preparation to fill-finish.
Schedule an evaluation, send us your samples, or ask us how Atlas™ will integrate into your workflow.

Contact us at info@nirrin.tech or visit nirrin.tech to learn more.

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