

Meet TALOS. Protein measurement made simple.

0.1 to 250 mg/mL protein quantitation in seconds — fixed optical path, no dilution, and no extinction coefficient required.



0.9998

R2 accuracy vs. orthogonal methods

0.1-250 mg/mL

Dynamic range — no dilution required

15 μ L

Sample volume — no consumables

Zero

Calibration or extinction coefficient

HOW IT WORKS: Four steps in less than a minute.

Powered by tunable laser NIR spectroscopy and a fixed optical path, TALOS eliminates the sample prep and characterization burden of slope-based, variable-pathlength workflows. No dilution series, no cuvette, no extinction coefficient lookup — just a 15 μ L drop and a result with built-in spectral quality confirmation.



Pipette

15 μ L of sample onto the optical window. No dilution, no sample prep.



Acquire

NIR-HPTLS™ laser spectrum (2100–2350 nm) in seconds



Analyze

Using a physics-based model — no PLS training, no per-molecule calibration.



Results

For concentration in delivered with a spectral residual RMS — an intrinsic, per-measurement quality metric.

See TALOS in action.

Accurate protein quantitation — no dilution, no calibration, no guesswork.



Contact us: info@nirrin.tech

PERFORMANCE DATA

