



Protein Concentration Measurement Services Using SoloVPE

As your dedicated partner with extensive protein chemistry expertise, the Prolytix approach transcends conventional methods. We don't just bring you results. We relentlessly strive to deliver the most reliable and accurate answers in the most expedient manner possible. We support your projects by employing state-of-the-art technology to streamline our collaborative efforts and expedite your scientific breakthroughs. For protein expertise that accelerates and de-risks your drug development, go with the pro – Prolytix.

Protein concentration measurements are fundamental for many types of experiments. We use SoloVPE to accurately measure protein concentration at an exceptional rate, ensuring that your experiment is off to the right start.

The SoloVPE System takes advantage of variable pathlength technology and slope results based upon multiple data points instead of a single absorbance value.¹ SoloVPE measures concentration without the need for dilution, eliminating pipetting and mixing errors associated with sample preparation. **What are the benefits to you?**

- > Decreased sample processing times
- > Reduced production costs
- > Enhanced reproducibility

We stay ahead of the curve, adopting and developing expertise in advanced methods to consistently provide reliable high-quality results you can trust – every time.

Quality Results

Providing reliable and consistent results is the driving force behind our efforts. SoloVPE provides powerful benefits that optimize your timeline and budget:



> Platform technology

Confidently work system to system with <2% repeatability



> No dilutions

Direct measurement of highly concentrated samples, eliminating the need for dilution and minimizing the potential for human error, leaving the sample reusable for additional future analysis



> Low sample volume

Method's versatility allows for concentration measurements from <20 μ l to 2 mL in volume, *preserving more of your sample for other analyses*

Efficient Workflows

We streamline our laboratory workflows for fast results without compromising quality. Using conventional fixed-pathlength UV-visible spectroscopy leads to turnaround times that may span several hours. By employing a simplified sample preparation process and leveraging the swift scanning capabilities of the SoloVPE system, data can be obtained in a matter of minutes instead of hours.



> Get rapid results

Concentration results in about one minute



> Reduce sample prep

Save sample processing time, technician time, and cost of consumables

Technological Expertise

We combine our 35+ years of experience solving protein chemistry challenges with an unwavering commitment to using the best tools to support your evolving drug discovery needs. SoloVPE represents a significant advancement in our ability to analyze total protein concentration and enhance your probability of success.

Extensive validation has demonstrated that the SoloVPE System method is highly accurate, precise, and reliable. It can be effortlessly and successfully validated in compliance with the ICH Q2(R1) requirements.

Why Prolytix?

- > 35+ years of experience
- > Extensive protein chemistry expertise
- > Personalized services and solutions
- > Transparency and collaboration from first call to completion
- > Unsurpassed data quality
- > Custom solutions delivered for 100+ biotech and large pharma companies

We apply our experience and commitment to providing high-quality data behind every protein concentration project. Not only is this robust assay compatible with numerous buffer matrices, but we can also run it as a validated method in our cGMP analytical testing lab, or as an R&D protocol for research use only (RUO).

For personalized protein concentration services using the most advanced technologies, go with the pro – Prolytix.

Reference

¹ Huffman, S., Soni, K., & Ferraiolo, J. (2014). UV-vis Based Determination of Protein Concentration: Validating and Implementing Slope Measurements Using Variable Pathlength Technology. BioProcess International. 12.



Looking for the right bioanalytical CRO partner to de-risk your project?

> **GO WITH THE PRO**

PROLYTIX
Biotherapeutic Experts
from Discovery to Release