

Simplify Your Protein Analysis for Precision Fermentation

Automated electrophoresis made easy with the Agilent ProteoAnalyzer

Key benefits

- Short analysis time
- Improved lab efficiency
- Walk away automation
- Flexible sample loading
- Minimal instrument preparation



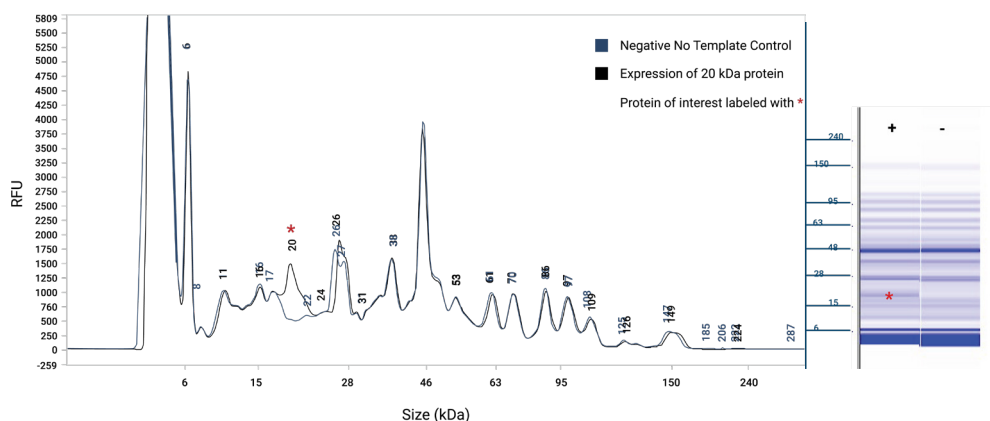
Scan to learn about how Paleo automated their protein analysis for precision fermentation workflow.

Achieve automated, parallel analysis for a wide variety of protein sample types

Engineering microorganisms to generate specific proteins of interest requires constant experimentation to single-out top-producing strains. Precision fermentation allows the usage of safe microorganisms to produce food enzymes and ingredients using abundant and cost-effective sources. However, increasing workloads require a faster method to assess proteins of interest.

Improved lab efficiency with automated electrophoresis

The Agilent ProteoAnalyzer system brings added efficiency, versatility, and reliability for protein electrophoresis workflows. Able to separate 12 samples in as little as 30 minutes, this system is designed to eliminate the laborious process of SDS-PAGE gel preparation, staining, destaining, and analysis.



Analysis of an overexpressed 20 kDa protein (black) compared to the No Template Control (blue) on the Agilent ProteoAnalyzer system. Overlays of the electropherograms show similar endogenous protein profiles between the overexpression and control traces, while the overexpression trace contains a unique species sizes at 20 kDa (*) indicating successful expression of the desired 20 kDa protein. The ProteoAnalyzer system's automated CE-SDS separations allow for rapid expression level and purity assessment in a digital format when compared to traditional SDS-PAGE.

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