



NOVILYTIC
THE CANARY IN THE FERMENTOR

PROTEOMETER-UFT KIT

At-Line Titer Measurement of mAbs in Under 90 Seconds

The Proteometer-UFT provides titer results within 90 seconds. Using your lab's existing LC for drug development and clone selection, it offers:

- Immediate titer from Clarified Fermentation Broth (CFB)
- No accuracy loss for high aggregate samples
- No system recycling

Unlike Protein A purification, there are no lengthy sample preparation steps for mAb analysis with the Proteometer-UFT.

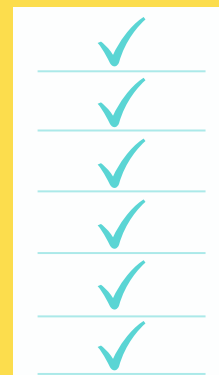
The Proteometer-UFT can analyze up to 960 samples daily, making it an efficient and accurate mAb titer analysis option that saves time and money in screening and clone selection.

The Proteometer-UFT Kit

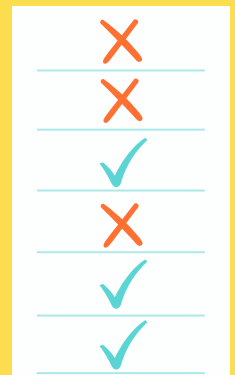


- Utilize existing HPLC equipment (No CAPEX)
- No system recycling required between samples
- Direct analysis of fermentor samples
- Sequential assays every two minutes
- At-line monitoring
- No method development required

UFT Assay



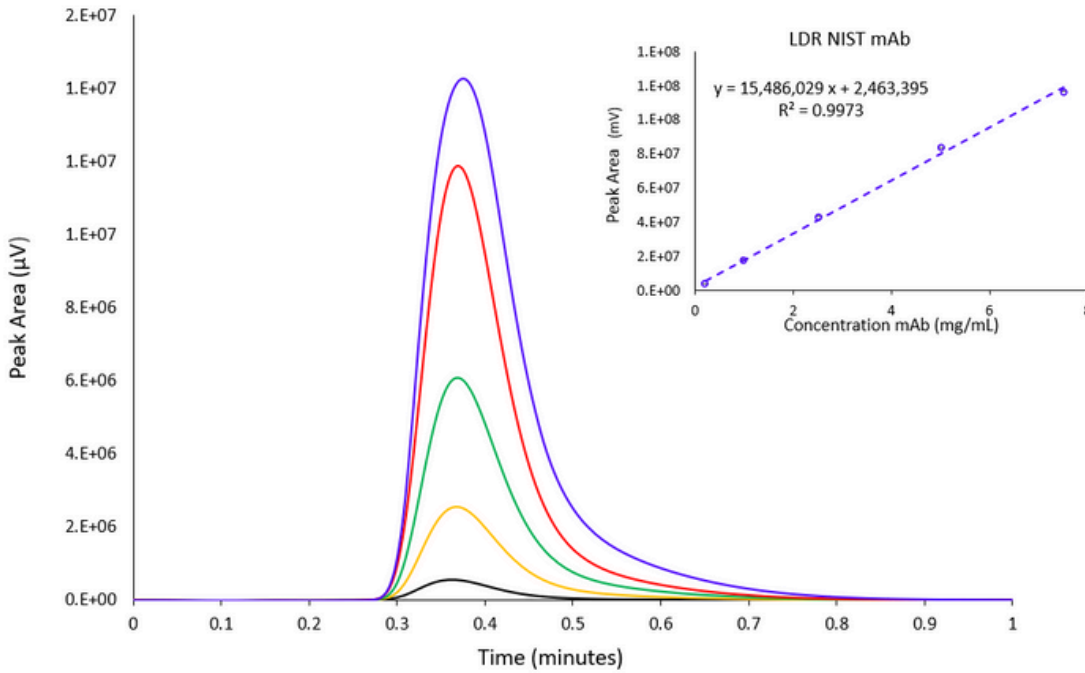
BLI



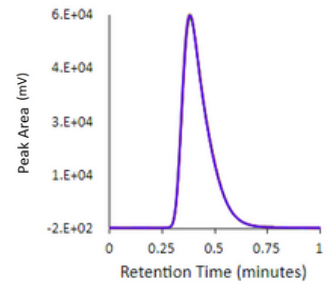
Visit novilytic.com/shop to purchase a kit.

DATA

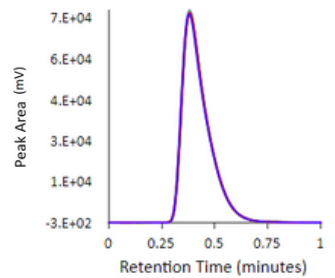
NmAb Standard Injection Overlay
Sample Concentration 0.2 to 7.5 mg/mL (5µL injected)



25 µg NmAb in CFB, (n = 8)
% RSD = 1.00%



25 µg Denosumab in CFB, (n = 10)
% RSD = 0.39%



PROTEOMETER-UFT WORKFLOW



Sample Collection

Collect and clarify fermentation broth sample



Sample Preparation

Single-pump HPLC: Mix samples with mobile phase aliquots
Dual-pump HPLC: No sample preparation required



Analysis

90 second LC fluorescence of titer



Rapid Results + Accelerated Development

Saves 1-3 days per DOE campaign



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COMPONENTS

- Reagent
- Tee
- DMF
- MD Unit
- Buffer packets
- Tubing union