

# Frequently Asked Questions/Troubleshooting Proteometer-UFT Kit



## Frequently Asked Questions

### **What are the instrument requirements for the Proteometer-UFT kit?**

Any HPLC system equipped with one or more pumps, an autosampler, and a fluorescence detector may be utilized with the kit. The kit was designed for dual pump systems using an MD unit but is readily adaptable to a single pump system without the MD unit.

The kit currently supports at-line testing. Online testing is also supported, provided an aseptic sampling system and appropriate HPLC sample handling systems are present.

### **Is the Proteometer-UFT kit MS compatible?**

No, the current kit is not MS compatible. Future versions of the product may support MS compatibility.

### **What is the linear range for the Proteometer-UFT kit?**

The linear range will vary based upon detector settings, lamp age, etc. The method was verified with NmAb and exhibited a linear response of 1 to 37.5  $\mu\text{g}$  for titer in the dual pump mode, and 1.4 to 22.7  $\mu\text{g}$  for titer in the single pump mode on our HPLC systems.

### **Does the mobile phase need to be filtered?**

Yes, the mobile phase should be filtered before adding acetonitrile and the Proteometer-UFT Reagent.

### **How long does the mobile phase last?**

It is recommended to change the mobile phase every 48 hours for best results.

### **Can I purchase individual consumables for the kits?**

Yes, additional consumables are available for individual sale. The product numbers may be found on our website in the [Proteometer-UFT Kit Instructions for Use](#).

### **Will the Proteometer-UFT kit work with human serum?**

The kit is not recommended for analysis of human serum samples.

### **What are the recommended fluorescence detectors for use with the Proteometer-UFT kit?**

The following detectors are currently supported for use with the Proteometer-UFT kit:

- Agilent: 1260 Infinity II Fluorescence detector (Agilent model G7121B) with 8uL bio-inert flow cell
- Waters: Acquity FLD detector (UPLC) or 2475 Multi  $\lambda$  fluorescence detector (HPLC)
- Shimadzu: RF-20A or RF-20A XS detectors
- Thermo: Ultimate 3000 series or Vanquish series detectors

Note: Novilytic's product management and technical service team is available to conduct a demo of the Proteometer-UFT kit at your laboratory with your specific detector. Please contact Eric Bowen, Product Manager, [ebowen@novilytic.com](mailto:ebowen@novilytic.com), to set up that demo.

## **Troubleshooting**

### **Detector signal saturation**

Adjust fluorescence detector settings to reduce gain or sensitivity. Perform injections at the highest level desired. If the signal is still saturated, make further detector adjustments and injections until the peak does not overload the detector.

### **System overpressures or performance of assay suffering (poor repeatability, loss of linearity, etc.)**

Locate the origin of the issues by systematically checking HPLC system components. If the MD Unit is deemed to be the problem, change the MD Unit (applicable to dual pump setup).

## **MD Unit Storage (dual pump setup only)**

### **Short-term storage (less than two weeks)**

Flush and store the MD Unit in ultrapure water. Maintain at a low flow rate while flushing to avoid excessive back pressure. Once flushing is complete, cap the ends of the MD Unit and store at room temperature.

### **Extended storage (longer than two weeks)**

For long-term storage, flush the MD Unit with copious amounts of ultrapure water. Maintain at a low flow rate low to avoid excessive backpressure. Once flushing is complete, force air into the tubing using an empty syringe to displace the water from the MD Unit, cap the ends of the MD Unit and store at room temperature.

## **Additional Resources**

- [Proteometer-UFT Kit Instructions for Use](#)
- [Proteometer-UFT How-To Kit](#)
- [Purchase Now: Proteometer-UFT](#)

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