

UV monitors

Ensure measurement accuracy with factory-certified solutions

Ready-made, traceable solutions for verifying UV linearity and flowcell path length

Our UV testing solutions are designed to save time and eliminate mixing errors during your UV monitor verification by using factory-certified, acetone-free calibrants. These reliable, traceable calibration liquids can verify the functionality of your UV monitor and flow cells, while eliminating the tedious manual preparation of acetone buffers.

Our validated UV test kit protocol provides you with a clear indication of UV linearity and enables you to calibrate the UV flow cell path length when needed and can be used in both research and bioproduction environments.

Advantages of UV testing solution versus acetone

Ready-made UV tests kits from Cytiva	Acetone
High precision, factory-made	Risk for mistakes in blending process
Traceable, batch certificate included	Lack of traceability
18-month shelf-life due to its resistant and reliable components	Evaporation, short expiry, must be fresh
No mixing of test solution — saves operator time	Manual mixing of test solutions — average 30 min of operator time
No reference tools needed	Requires calibrated reference tools (scale, pipette or spectrophotometer)
Access to validated calculation sheet	Manual/non-validated calculation of linearity

Specifications

To simplify testing of lab and pilot-scale monitors, a new UV test accessory kit including necessary tubing and connectors is available. For BioProcess™ systems, UV monitor testing can be done using standard TC connector components.

Each calibrant bottle includes 30 mL. Depending on the flowcell size and volume, one kit can be used for several tests in most of the cases. Syringes are included with the kit. The solutions include iron sulfate (in different concentrations) dissolved in 0.1 M sulfuric acid.

For more information visit [cytiva.com](https://www.cytiva.com) and search for the product codes.

[cytiva.com/equipment-services](https://www.cytiva.com/equipment-services)

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Fig 1. Ready-made UV tests kits

UV test kit solutions from Cytiva are easily cleaned from the flow cell using our cleaning method.

Product information

29276997 UV test kit, 1 and 2 mm
9 bottles with calibrants to cover 214-280 nm for flowcells with path length 1 or 2 mm

29276998 UV test kit, 5 and 10 mm
10 bottles with calibrants to cover 214-280 nm for flowcells with path length 5 or 10 mm

29293950 UV test accessory kit
Tubing and connectors for lab and pilot-scale usage

