

Take **Full Control** of
Your Chromatography
Validation



Everything
you need in a
single box!



HPLC



GC

Take full control of your HPLC and GC IQ/OQ Validation with V:Kit

Simple, quality regulatory compliance for your analytical systems

V:Kits can be used to validate instrumentation from Agilent, Dionex, Waters, Perkin Elmer, Shimadzu, Thermo, Merck/Hitachi, Gilson, Varian and many more!

HPLC



IQ/OQ tests supported by HPLC V:Kit:

- Wavelength accuracy for UV/Vis, PDA and fluorescence detectors
- Response linearity for UV/Vis, PDA, RI and fluorescence detectors
- Flow rate accuracy and precision
- Gradient accuracy and linearity
 - Temperature accuracy for column ovens and temperature controlled autosampler trays
 - Autosampler precision, carryover and injection linearity

GC

IQ/OQ tests supported by GC V:Kit:

- Temperature accuracy and stability of injectors, detectors, column ovens and other heated zones
- Flow rate accuracy and stability for carrier, split-flow, make-up and fuel gases and other zones you can define
 - Detector linearity for FID and TCD detectors
 - Autosampler accuracy and carryover for liquid and headspace samplers

GC Test Column

A 0.28mm ID capillary is supplied with your first GC V:Kit. The column is not manufactured from silica and is virtually indestructible. It has a very specific length to allow for use during flow rate tests as well as in the PQ of the GC and autosampler system.



What you get with your V:Kit

The HPLC and GC Initia V:Kits provide the software, SOPs and reference standards allowing you to perform a wide range of IQ/OQ tests.



Software

- Independent of your chromatography data system so it can be installed on any modern Windows PC, for example your office computer or a laptop
- 21 CFR Part 11 compliant log-in module with password protection, expiration and audit trail facilities
- Quick, manual entry of test results so no complicated interfacing to your HPLC or GC
- Pre-programmed with the model names and numbers for major OEMs
- Step-by-step process that guides you through raw data entry, data checking and reporting
- Define your own test set-points and pass/fail criteria or use the built-in values based on those used by the major instrument manufacturers
- Automatically generates test reports that are compliant with modern regulations



Standard Operating Procedures (SOPs)

- A full SOP is provided for each OQ test so you no longer have to write and maintain your own SOPs
- Always up-to-date: every time you order new reference standards you will also receive the latest SOP
- SOPs detail the calculations used by V:Kit letting you verify the results, making audits easy
- Both printed and electronic versions supplied as standard
- Printed SOPs supplied in a log book that can be used to store your raw test data, OQ reports and certificates of analysis and calibration

Reference Standards

The supplied reference standards integrate with the V:Kit software ensuring full traceability:

- Certificate of analysis provided with each batch of solutions
- Solutions supplied in sealed vials with printed batch number and expiry date
- Each solution is guaranteed to have a one-year shelf life (minimum) from shipment date
- An encrypted data file containing traceability information is supplied with each batch, which is used by the software

Reference standards solutions available for HPLC V:Kit:

- UV wavelength accuracy holmium oxide in perchloric acid
- UV absorbance linearity via 5 standards
- Fluorescence linearity via 5 standards
- Refractive index linearity via 5 standards
- Autosampler precision and linearity
- Gradient proportioning accuracy



Reference standards solutions available for GC V:Kit:

- Autoinjector precision standard
- Autoinjector blank standard
- Detector linearity standards



