

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
- Gradient accuracy and linearity
 - Temperature accuracy for column ovens and temperature controlled autosampler trays
 - Autosampler accuracy, 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



How to buy your V:Kit

First Purchase

If you have never used HPLC V:Kit before, you will need an **InitiaLC** kit. This provides everything you need for validating up to two HPLC systems with UV/Vis detectors. If you also require fluorescence or refractive index detector validation, the appropriate refill kit should also be ordered.

If you have never used GC V:Kit before, you will need an **InitiaGC** kit. This provides everything you need for validating up to two GC systems.

Refill Kits

When you have used the standard solutions supplied with the InitiaLC or InitiaGC, refill kits should be ordered. These provide the latest SOPs and reference standards letting you perform at least two further validations.

HPLC Refill Kits available:

- Gradient HPLC Refill Kit
- Isocratic HPLC Refill Kit
- UV Detector Refill Kit
- Fluorescence Detector Refill Kit
- Refractive Index Detector Refill Kit

How many V:Kits do you need?

You need one Initia kit for each PC you intend to use to generate validation reports. So, if the same PC can be used for all validations, you only need one Initia kit.

For example, if you have 10 GCs and wish to perform a validation on all of them, you need:

First Year

Initia kit x 1 (includes standards for 2 validations)

Refill kits x 4 (standards for 8 more validations)

Second and Subsequent Years

Refill kits x 5 (standards for 10 validations)



Will your systems pass the test?

V:Kits are designed to test a system in the condition it is found. A FAIL result for any test is a valuable piece of information as it may prevent you from using a faulty piece of equipment.



A system that has been tested following a preventative maintenance service by a competent service provider is very unlikely to fail. If a FAIL is reported, the problem can be attended to and the system re-checked.

International Distribution:



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Savings you will make with V:Kit

First Purchase

The InitiaLC and InitiaGC kits can provide you with a **cost saving of up to 63%** on a single operational qualification from a major instrument vendor!

Refill Kits

Subsequent validations using refill kits will offer a **saving of between 89-93%** as no starter kit is required!



Low Risk V:Kit Evaluation

Users can now benefit from a **low risk** way of evaluating the full V:Kit product for a **three-month period**. Containing everything that the full Initia V:Kits contain, the **Evaluation Kits** include reference standards, SOPs, consumables and software.

Use the evaluation kits to perform operational qualification tests on two systems and make an **85% SAVING** compared to using your instrument vendor!



Save 85%

Your Local Dealer: