



www.v-kit.com

LCMS qualification

v-kit lets you take control of your LCMS OQ & PQ



- Software driven protocols
- Standard operating procedures
- Traceable reference standards

The very latest v-kit qualification system is designed to add efficiency, control and cost savings to the qualification of LCMS systems. v-kit LCMS is suitable for single and triple quad MS.

The v-kit LCMS Starter Pack contains software, traceable reference standards, SOPs, logbook and column for qualification of complete HPLC systems. v-kit enables qualification to be carried out independent of instrument manufacturer — and because it uses one standard approach, it allows consistent qualification across all equipment on all sites.

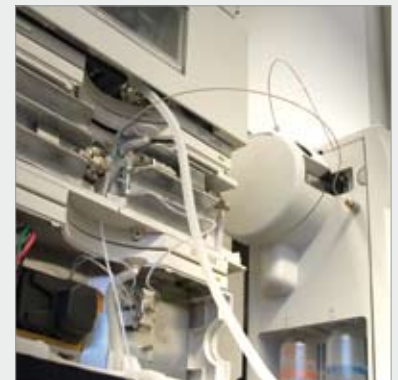
It's not unusual to find one manufacturer supplying the HPLC front end and another the MS. Using v-kit the individual components of the system receive an OQ then the whole system is PQ'd. Validating using the new v-kit LCMS allows for a common, system-wide approach and a harmonised and consistent qualification across all LCMS systems.

Like the HPLC, GC and GCMS qualification kits, the LCMS package consists of software driven protocols, standard operating procedures (SOPs) and traceable reference standards.

Written on the advanced v-kit Pro platform, the software features report creation, summary reporting and audit trail, user/manager access rights. The electronic logbook function allows the data from the entire qualification exercise to be quickly and easily assembled into a single document for storage or distribution.

v-kit is used worldwide in labs working to GMP and/or subject to inspection from regulatory agencies such as the FDA and MHRA. As with all v-kits, the LCMS kits can be provided for qualification by the user, or as part of service delivery by approved v-kit service partners.

v-kit LCMS – From NLG Analytical: the world's leading independent analytical qualification provider



v-kit HPLC Starter Pack

The v-kit LCMS starter pack includes sufficient materials for a complete LCMS qualification, or you can order kits for as many additional validations as you need.

Top-up with Refills

v-kits are topped up as needed with refill packs. These include all necessary consumables and extra licenses, and can be ordered in any required quantity.

LCMS Refill kits include:

- System refills
- Detector only kits
- Service packs for large volume users

For more information about v-kit, including details of your local distributor, visit the v-kit website or contact v-kit's manufacturer — NLG-Analytical:

www.nlg-analytical.com

t: +44(0)1260 274-266

e: info@nlg-analytical.com

v-kit for LCMS qualification

v-kit advantages

- **Cost effective:** v-kit allows you to cut the cost of LCMS qualification by up to 80%
- **Harmonised:** v-kit uses one standard qualification approach for all instruments, all laboratories and all sites
- **Comprehensive:** v-kit consists of software, SOPs, and traceable reference standards
- Full SOP provided for each qualification test: saves time and effort
- User-friendly software: flexible, easy-to-use and independent of your chromatography data systems
- v-kit allows instrument vendors, service providers or equipment users to deliver qualification and calibration

Contract service: Suitably trained service engineers can provide a planned maintenance and qualification service using the unique v-kit qualification system

Self-delivery: Using your own laboratory analysts or in-house service personnel — full v-kit training and traceably calibrated tools are supplied by nlg-analytical or your local authorised v-kit vendor

- Used correctly, v-kit can aid compliance to regulations issued by international authorities such as FDA (USA), MHRA (UK), IMB (Ireland), etc.



Ordering specifications

Part number	Item
VPRO-xxxx	Starter kit for LCMS qualification
VPRO-xxxx	v-kit Pro, total qualification software
VPRO-xxxx	AutoFlow software, captures data directly from flowmeter
Refill kits	
VPR-xxxx	Refill for gradient hplc with single quad. MS detector
VPR-xxxx	Refill for gradient hplc with triple quad. MS detector
VPR-xxxx	Refill for gradient hplc with UV/DAD Detector 241-670nm
VPR-xxxx	Refill for gradient hplc with UV/DAD Detector 205-271nm
Tools	
VKIT-LFM3	Digital liquid flowmeter with 3-point traceable calibration certificate
VKIT-1531	Autosampler vial tray temperature probe with 3-point traceable calibration certificate
VKIT-1514	2-channel digital thermometer with 5-point traceable calibration certificate

to order call: +44(0)1260 274-266 e: info@nlg-analytical.com

Qualification tools

These recommended tools for LCMS OQ integrate with the v-kit software and procedures. The range has been designed to ensure accuracy as well as to help to speed up the instrument testing process. The calibration on all tools is valid for one year and includes traceable calibration certificates.



v-kit liquid flowmeter



HPLC Autosampler tray temperature probe



v-kit 2-channel thermometer