

**UKNEQAS**

Guy's and St Thomas' **NHS**  
NHS Foundation Trust



CENTRE FOR HAEMOSTASIS AND THROMBOSIS

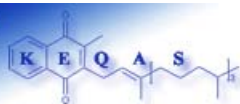
**UKNEQAS FOR VITAMIN K**

*The Vitamin K External Quality Assurance Scheme  
(KEQAS)*



Interim Report to the National Quality Assurance Advisory Panel

*August 2009*



## Overview

- **Director:** Dr Dominic Harrington
- **Manager:** Mr David Card
- **Location:** Nutristasis Unit, Centre for Haemostasis and Thrombosis, St Thomas' Hospital, Guys and St. Thomas' NHS Foundation Trust, London SE1 7EH.
- **Geographical area covered:** International
- **Analytes:** Serum vitamin K<sub>1</sub> (CPA Accredited), serum vitamin K<sub>1</sub> 2,3-epoxide (pilot), menaquinone-4 (pilot) and menaquinone-7 (pilot).
- **Scheme accreditation status:** CPA Accredited (Reference number 109)
- **Next inspection due:** April – September 2010
- **Laboratory accreditation status:** Full CPA Accreditation (Reference number 0909)
- **Number of participants:** 43 (22 currently active)
- **Fees for 2009:** £100per annum (from April 2009).
- **Website:** www.keqas.com
- **Email:** dominic.harrington@gsts.com
- **Telephone:** 0207 188 6815
- **Number of distributions per year:** Three
- **Definition of poor performance:** Z score greater than 3 ( $\sigma = 20\%$  ALTM) or outlier
- **PUP definition:** Z score greater than 3 for three consecutive batches or outlier for 2 consecutive batches
- **Number of poor performers:** Batch 40 = 0, Batch 41 = 3 (see appendix)
- **Number of PUPs:** 0 (see appendix)

## Quality issues

### Errors

ELL-56: There were frequent delays in the payment of the courier's invoices. Finance were contacted and a new pre-ordered requisition for an estimated courier fee was agreed and will subsequently be put in place.

**Complaints-**None

### Other issues

- A new Excel based outliers test has been validated and introduced
- The new version of QPulse has been introduced
- SOP VKQ-001: Sample preparation and despatch has been reviewed
- SOP VKQ-002: Preparation of reports and VKQ-003 are currently being reviewed

## Accomplishments

- A paper describing data from 2002-2006 was published in a peer reviewed journal. See Card *et al* *Biomedical Chromatography* 2009 June 1, (Epub ahead of print).
- Results from analysis of the standard reference material were returned by 15 out of 16 groups and it is envisaged that the material will be made available at the end of the year.



**Appendix- PUP and participation data**

KEQAS result submittance log

Date	Batch No	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43														
Oct-02	21																																																								
Apr-03	22																																																								
Jun-03	23																																																								
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Oct-05	30																																																								
Mar-06	31																																																								
Jun-06	32																																																								
Oct-06	33																																																								
Feb-07	34																																																								
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Feb-08	37																																																								
Jun-08	38																																																								
Oct-08	39																																																								
Feb-09	40																																																								
Jun-09	41																																																								

- Key
- Result received
  - Result received and poor performance in 1 sample or more (1 or more samples outlier or Z = > 3)
  - X: Group became dormant or left the scheme
  - No response these groups to be investigated as PUPs from July 2008 onwards as agreed by steering committee
  - Group not currently running assay
  - J: Joined KEQAS

