

b123 Co-oximetry EQA

INTENDED USE

Weqas b123 Co-oximetry EQA samples are for in-vitro diagnostic use as an external quality assessment material for testing of total haemoglobin (THb) and haemoglobin fractions for Co-oximeter analysers.

SUMMARY

External Quality Assessment (EQA) is an essential part of providing quality laboratory diagnostic services, and participation in EQA is required for laboratory accreditation to ISO 15189 and ISO 17025. EQA is the inter-laboratory comparison and performance evaluation that extends throughout all phases of the healthcare diagnostic testing cycle.

PRODUCT DESCRIPTION

b123 Co-oximetry EQA samples are sourced from a third party. The samples are purified bovine haemoglobin solution that has been saturated with carbon monoxide or treated with precise concentrations of carbon monoxide. The samples contain no preservatives and no human-based materials.

Each ampoule contains 1.2mL of ready-to-use solution. Distinct levels cover the significant range of instrument performance for THb, oxyhaemoglobin (O₂Hb), and carboxyhaemoglobin (COHb). The samples also contain methaemoglobin (MetHb).

STORAGE AND STABILITY

Store samples at 2 - 8 °C on receipt.

b123 Co-oximetry EQA samples are stable from 2 - 8 °C for their 18 month shelf-life. Do not expose the samples to freezing temperatures and temperatures greater than 8°C.

PROCEDURE

1. Gently invert the ampoule to mix the solution.
2. Tap the ampoule to restore the liquid to the bottom of the ampoule.
3. Open the ampoule by snapping off the tip at the score mark. Protect fingers with gauze, tissue or gloves, or preferably use a dedicated ampoule snapper device.
4. Select **Proficiency mode**.
5. Introduce the liquid from the ampoule to the analyser. Use direct aspiration, syringe transfer or capillary mode techniques.
6. Dispose the ampoule safely as per local guidelines.

Always wear gloves to avoid contamination.

LIMITATIONS OF PROCEDURE

Weqas b123 Co-oximetry EQA samples require storage as described in STORAGE AND STABILITY and handling as described in PROCEDURE.

Accurate and reproducible results are dependent upon properly functioning instruments and reagents and the use of correct procedures.

APPROXIMATE RANGE COVERED

The Weqas b123 Co-oximetry EQA samples cover the range outlined below.

Analyte	Range
Total Haemoglobin (THb)	50 – 220 g/L
Oxyhaemoglobin (O ₂ Hb)	1.0 – 95.0 %
Carboxyhaemoglobin (COHb)	5.0 – 97.0 %
Methaemoglobin (MetHb)	0.1 – 0.6 %

! CAUTION !

1. For in vitro diagnostic use only.
2. Animal Blood Product. Bovine based materials do not carry biohazards for man, such as HepB, HepC and HIV.
3. This product should not be disposed of in general waste. Consult local environmental authorities for proper disposal.

Although every effort is made to ensure that the material is free from any known infectious agent, the samples should be handled as for clinical specimens.