



Vitamin B1 & B6 in whole blood

Value Data Sheet 1022 CAL M VB1B6

Blood Calibrators for LCMSMS Assay in whole blood

REF 1022 CAL M VB1B6

LOT 21M20/S

 2024/09

IVD For in vitro diagnostic use

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Intended use:

This product is to be used as a means of calibrating the Vitamin B1 & B6 assay. These lyophilized Vitamin B1 & B6 calibrators are hemolysates prepared from packed human erythrocytes. Stabilizers are added to stabilize the analytes for accurate calibration of the Vitamin B1 & B6 procedure. After reconstitution these lyophilized calibrators should be treated as a patient sample.

Reconstitution:

Add exactly 500 µl of deionized water to the vial and let stand for 15 minutes. Mix gently for another 15 minutes. When all material is dissolved the solution is ready for use.

Storage and Stability

This product will be stable until the expiration date when stored unopened at 2 - 8 °C.

After reconstitution the stability of the analytes is: 48 hours at 2 - 8 °C
2 weeks at - 20 °C

The stated stabilities are only valid in case of no bacterial contamination. Avoid repeated freezing and thawing.

Caution:

The human whole blood used for manufacturing the calibrators was tested for the following infectious markers and found negative: HIV1/2-, HBV- and HCV-antibodies, Hepatitis B-surface antigen, HIV1- and HCV-RNA, HBV-DNA (NAT). Nevertheless, the whole blood calibrators should be considered as potentially infectious and treated with appropriate care.


Pack size:

Vitamin B1 & B6 Calibrator Set
6 x 2 x 500µl, Calibrator 1 - 6

Notes:

The concentrations of the analytes are chosen in ranges where valid results can be obtained. The variation of the filling volume (CV) is < 1 %.

Concentrations:

1022 CAL M VB1B6		Vitamin B1 (nmol/l) Thiaminepyrophosphate TPP	Vitamin B6 (nmol/l) Pyridoxal -5- phosphate (PLP)
Calibrator 1 1023	21M20/03 2024/09	38 nmol/l	24 nmol/l
Calibrator 2 1024	21M20/04 2024/09	62 nmol/l	39 nmol/l
Calibrator 3 1025	21M20/05 2024/09	93 nmol/l	60 nmol/l
Calibrator 4 1026	21M20/06 2024/09	195 nmol/l	133 nmol/l
Calibrator 5 1027	21M20/07 2024/09	440 nmol/l	248 nmol/l
Calibrator 6 1028	21M20/08 2024/09	665 nmol/l	400 nmol/l

