

+RECIPE

Vitamin status B1, B2 and B6



Early Detection of Vitamin-B Deficiency

now also available for
LC-MS/MS

Vitamins

Vitamins are essential for many vital processes in the human body. Every vitamin has a dedicated function. The vitamin status differs depending on: - age, - sex, - health.

The determination of B-Vitamins is performed in case of suspected neuropathy. Deficiencies can also occur in case of diabetes type 1 and 2. It is also reasonable to determine B-Vitamins when searching for the causes of lack of concentration with suspected nutritional deficiency.

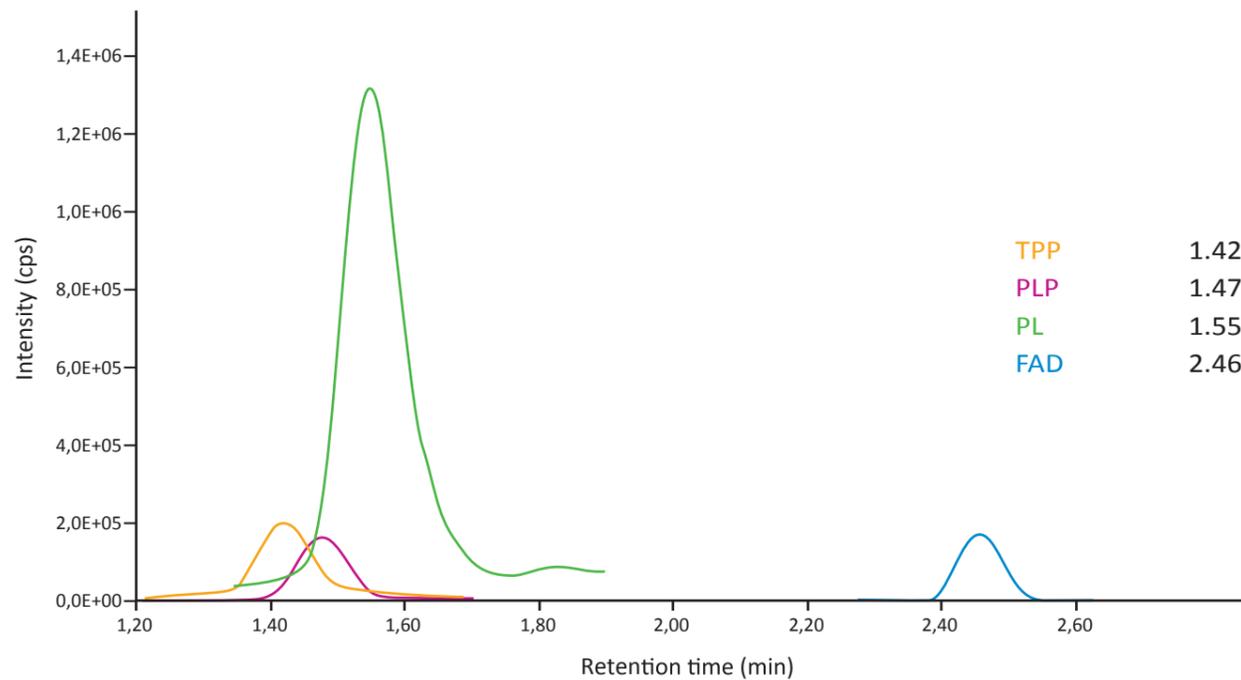
Vitamin B1 TPP Thiamin-pyrophosphate

Vitamin B2 FAD Flavin-adenine dinucleotide

Vitamin B6 PLP Pyridoxal phosphate
 PL Pyridoxal

4 stable isotope labeled Internal Standards

d_3 -TPP $^{13}C_5$ -FAD d_3 -PLP d_3 -PL



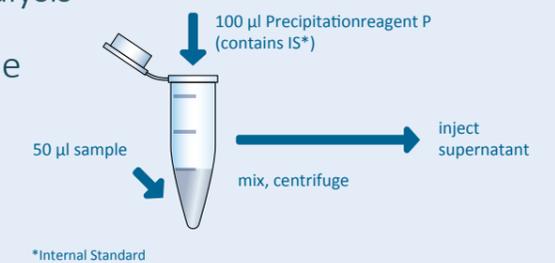
Chromatogram of a representative patient sample



Vitamins B1, B2, B6 in Whole Blood

Order No.	Description	Quantity
MS13000	ClinMass® Complete Kit for Vitamins B1, B2, B6 in Whole Blood für 400 assays	1 pce.
Contents:		
	Autosampler Washing Solution	1 x MS13005
	Mobile Phase A	1 x MS13008
	Mobile Phase B	1 x MS13009
	Internal Standard IS, lyophil.	1 x MS13012
	Whole Blood Calibrator Set, lyophil. (Level 0 - 3)	1 x MS13013
	Sample Pretreatment Vials	4 x MS13020
	Precipitant P	2 x MS13021
	Manual	
Separately available components:		
MS13005	Autosampler Washing Solution	1000 ml
MS13008	Mobile Phase A	1000 ml
MS13009	Mobile Phase B	300 ml
MS13012	Internal Standard IS, lyophil.	9 x 5 ml
MS13013	Whole Blood Calibrator Set, lyophil. (Level 0 - 3)	4 x 1 x 1 ml
MS13014	Optimisation Mix, lyophil.	2 ml
MS13020	Sample Pretreatment Vials	100 pce.
MS13021	Precipitant P	25 ml
Start Accessories:		
MS13030	Analytical Column with test chromatogram	1 pce.
ClinChek® Controls:		
MS13082	Whole Blood Control, lyophil. Level I, II	2 x 5 x 1 ml

- + Extended panel includes Vitamin B2
- + 4 stable isotope labeled Internal Standards
Vitamin B6 measured in two forms, PLP and PL
- + 4 level calibrators and 2 level controls for a fast and cost effective analysis
- + Time saving one step sample preparation (B1 und B6)





Your choice in LC-MS/MS diagnostics

- + Certified and quality approved CE-IVD solutions
- + Development of innovative complete kits
- + Internal standards, calibrators and controls included
- + Technical and scientific support
- + Preferred partner in more than 80 countries

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