



Amino acids in Plasma - separation of Homocysteine - using a LiChrospher RP-18 column

Chromatography

Substance class : Amino acids

Matrix : Plasma

Chromatographic conditions

Column : LiChrospher® RP-18 (no dimension given) (recommended column Cat. No. 1.50833)

Mobile Phase : 0.04 M TCA buffer of pH 2.5 and methanol (LiChrosolv® Cat. No.1.06007) (9:1, v/v)

Flow rate : 0.5 mL/min

Detection : UV 312 nm

Temperature : 40°C

Sample : Homocysteine

Sample preparation

Homocysteine present in blood plasma is derivatized with thio selective ultraviolet labelling reagent, 2-chloro-1-methylpyridinium iodide.

Source

Bald, E, Kaniowska, E, Chwatko, G, Glowacki, R, Talanta, 10 Jan 2000, 50(6): 1233-1243

Ordering Information

Product	Catalog No.
Methanol gradient grade for liquid chromatography LiChrosolv® Reag. Ph Eur	106007
LiChrospher® 100 RP-18 (5 µm) LiChroCART® 250-4 HPLC cartridge	150833