

RVC-application B-1015

Catchwords: medicine, blood plasma, plasmid purification. SPE, TFA, acetonitrile, water, 5 ml-vials (Minisorb-tubes)

Plasma purification before peptide determination

Application:

- Evaporation of SPE eluates (SPE=solid phase extraction) from blood plasma or serum as an intermediate step to the overall plasma purification, then resume in 300 µl buffer for further use in the field of peptide determination.
- Procedure to test instruction
- After use, the capacitor portion is rinsed with water to pH neutrality

Specification:

Model:	RVC 2-33 IR
Vacuum pump:	Chemical-Hybrid pump RC 6
Liquid phase:	1 % TFA* in 60 % acetonitrile
Boiling range of accumulation phase:	Acetonitrile (cp. 82 °C), water (cp. 100 °C)
Type of tube:	Minisorb-tubes 4 ml
Starting volume of the sample:	3 ml Eluat
Final volume of the sample:	till entire dryness
Number of test tube per run:	20-32
Temperature:	35 ° C
Vacuum:	10 mbar
Time:	6 h

Result and notes:

This application is used both in the technical routine lab and in research laboratories.

*TFA= Trifluoressigsäure

*SPE= For peptides in general: C18 light cartridge with 1%TFA/60%ACN, then with 1%TFA activate, Plasma-1,0%TFA mixture adsorb, with 1%TFA wash, with 1%TFA/60% ACN eluat.