

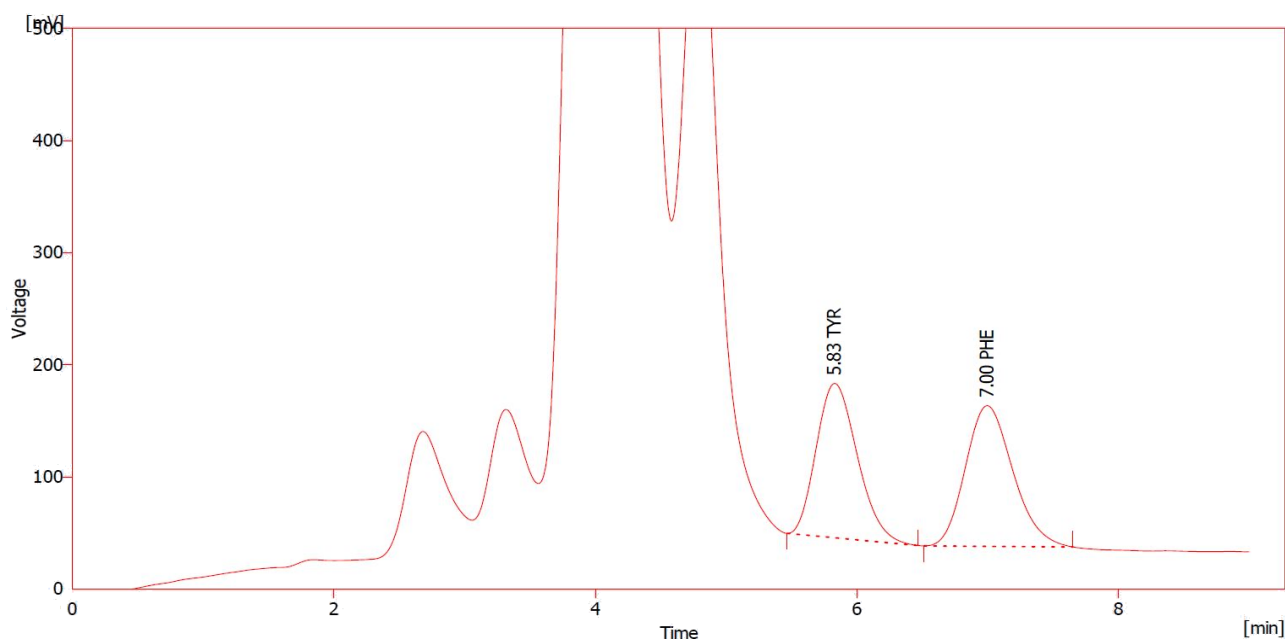
APPLICATION NOTE

PKU High Speed



Equipment: ARACUS
Column: Lithium system, 75 mm BL x 4.0 mm ID
Ammonium Absorber, 40 mm x 2.0 mm ID
Eluents.....: Lithium system-HS; Eluent C and F
Runtime: 19 min
Analysis Runtime: 9 min
Gradient: Program in Steps
Eluent Flow.....: 350 µl/min
Column Temperature: 50 °C
Injection Volume: 20 µl
Reagent: Ninhydrin (Post-Column Derivatization)
Reagent Flow.....: 175 µl/min
Reactor Temperature: 130 °C
Detection: Visible – 570 nm (Channel A) / 440 nm (Channel B)
Sample.....: Physiological Standard

Standard Solution with 100 nmol/ml (570nm)



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No.	Retentiontime [min]	Amino Acid	code
1	5.83	Tyrosine	TYR
2	7.00	Phenylalanine	PHE