

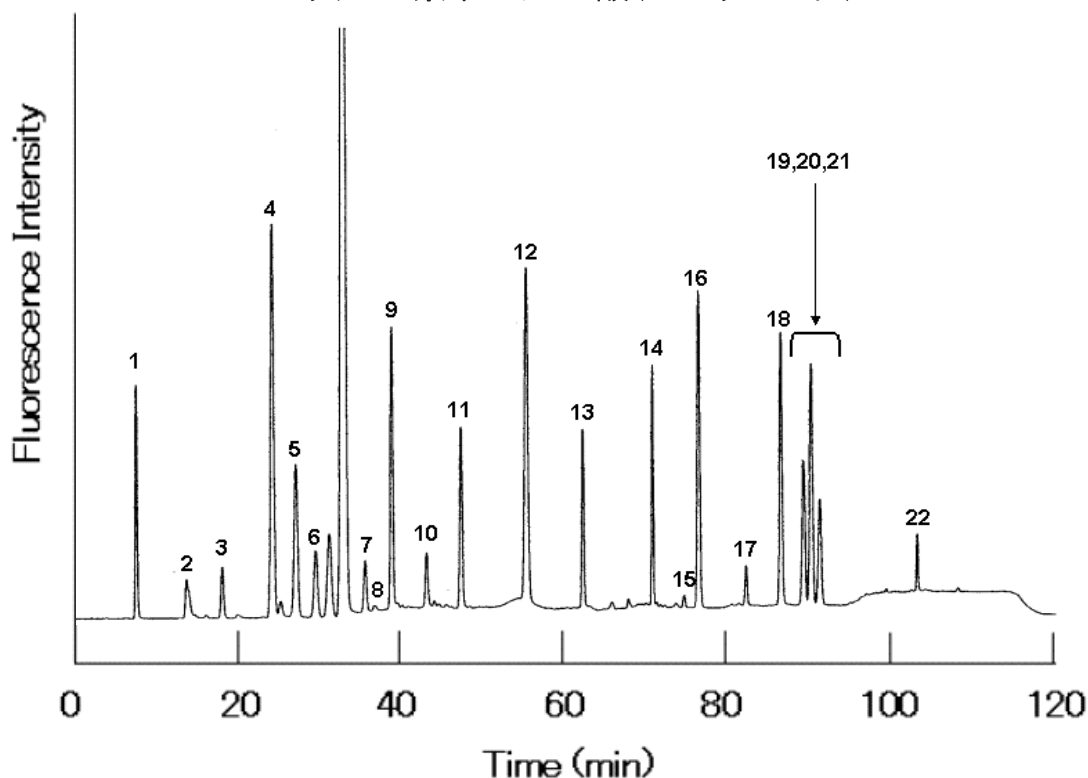
Cadenza CD-C18

250 x 4.6 mm

Application

NBD-amino acids from rat plasma

ラット血漿中のアミノ酸(NBDラベル化)



A representative chromatogram of rat plasma amino acids derivatized with NBD-F.
 1:NBD-Tau, 2:NBD-His, 3:NBD-Asn, 4:NBD-Gln, 5:NBD-Ser, 6:NBD-Arg, 7:NBD-Cit,
 8:NBD-Asp, 9:NBD-Gly, 10:NBD-Glu, 11:NBD-Thr, 12:NBD-Ala, 13:NBD-Pro,
 14:NBD- -amino-n-caproic acid (IS.), 15:NBD-Met, 16:NBD-Val, 17:NBD-Orn,
 18:NBD-Lys, 19:NBD-Ile, 20:NBD-Leu, 21:NBD-Phe, 22:NBD-Tyr.

Cadenza CD-C18, 250 x 4.6 mm

A) water /acetonitrile /2-propanol /TFA = 90 /10 /0.8 /0.08

B) water /acetonitrile /2-propanol /TFA = 90 /10 /5 /0.08

C) water /acetonitrile = 90 /10

D) water /acetonitrile /TFA = 10 /90 /0.08

100%A, 0%BCD (0-25min), 100-0%A, 0-100%B (25-32min), 100%B (32-35min),

100-97%B, 0-3%D (35-39min), 97-0%B, 0-90%C, 3-10%D (39-45min),

90-65%C, 10-35%D (45-60min), 0-15%B, 65-55%C, 35-30%D (60-63min),

15%B, 55%C, 30%D (63-68min), 15%B, 55-50%C, 30-35%D (68-70min),

15%B, 50%C, 35%D (70-82min), 15-0%B, 50-40%C, 35-60%D (82-85min),

40%C, 60%D (85-100min), 100%A, 0%BCD (100-115min)

0.7 mL/min, 40 deg.C

Ex.470nm, Em.540nm

Ref.) M.Tomiya, T.Fukushima, J.Kawai, C.Aoyama, S.Mitsuhashi, T.Santa, K.Imai and T.Toyo'oka
 Univ. of Shizuoka, Univ. of Tokyo and Musashino Univ.
 Biomedical Chromatography, 20, 628-633 (2006)

Courtesy of Dr. Takeshi Fukushima, Univ. of Shizuoka