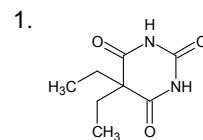
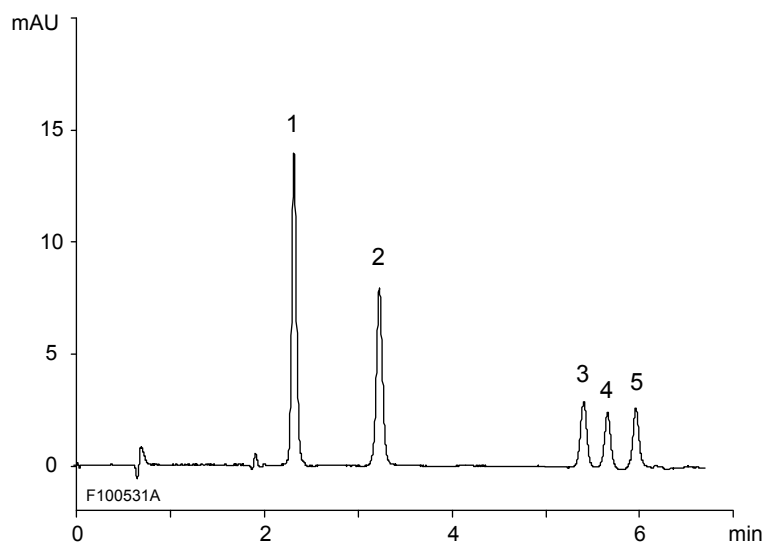


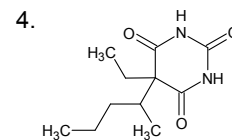
血清中のバルビツール酸系薬物 Barbiturates in human serum

F100621B

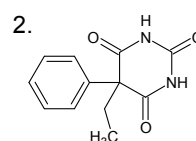
(A) Standard (10 µg/mL)



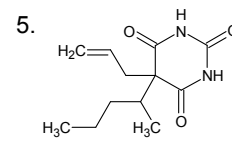
Barbital



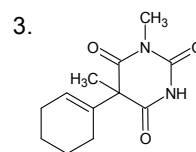
Pentobarbital



Phenobarbital

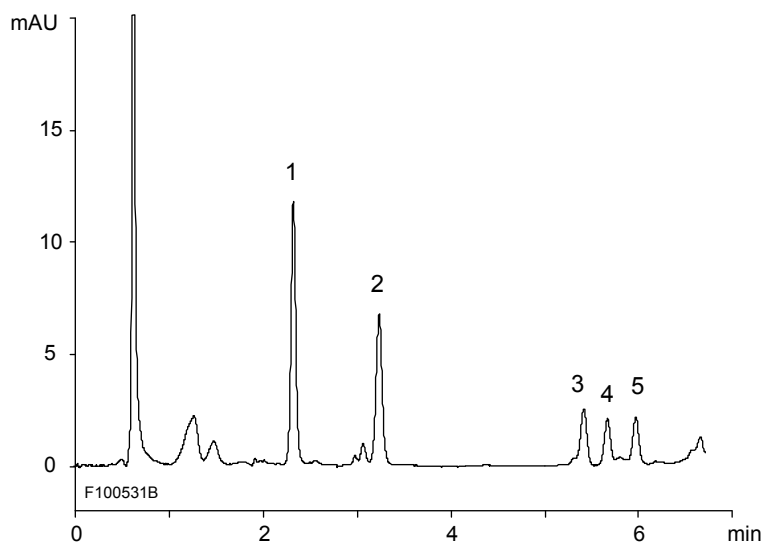


Secobarbital



Hexobarbital

(B) Spiked human serum



Solid-phase extraction method

YMC Dispo SPE C18 100 mg/1 mL

Condition
2 mL methanol
2 mL water

Load
500 µL spiked human serum solution
(each 10 µg)

Elute
500 µL methanol/water (85/15)

Dilute
500 µL 20mM ammonium formate buffer (pH 9.5)

Column : YMC-Triart C18 (5 µm, 12 nm)
50 X 2.0 mmI.D.

Eluent : A) 20 mM HCOONH₄-NH₃ (pH 9.5)
B) methanol
0-90%B (0-7 min)

Flow rate : 0.2 mL/min

Temperature : 25°C

Detection : UV at 240 nm

Injection : 1 µL