

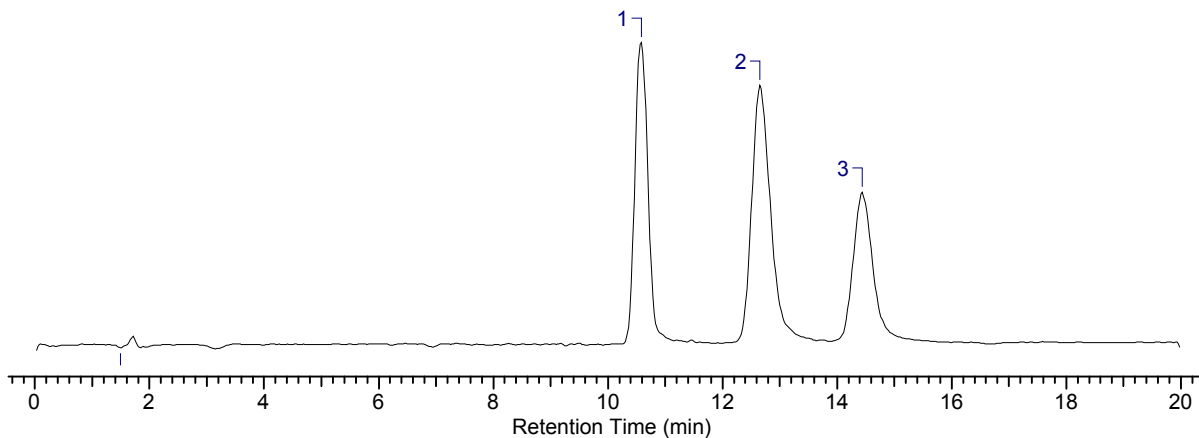
Application Report

Separation of Anesthetics using Ascentis Express F5

Bonded Phase pentafluorophenylpropyl
Column Name Ascentis Express F5
Instrument Name Waters 2690 / ZQ

Key Words

anesthetics, lidocaine, mepivacaine, procainamide, Ascentis Express F5, 53590-U



Conditions

column: Ascentis Express F5, 0 cm x 4.6 mm I.D., 2.7 μ m particles (53590-U)
mobile phase A: 10 mM ammonium acetate, pH 4.0 with acetic acid
mobile phase B: acetonitrile
mixing proportions: A:B = 20:80
flow rate: 1.0 mL/min.
pressure: 160 bar (2300 psi)
temp.: 35 $^{\circ}$ C
det.: ESI(+), SIR mm/z 235, 236, 247
injection: 2 μ L
sample: 10 μ g/mL in methanol

Peak IDs

No.	Name	tR
1	lidocaine	10.6
2	mepivacaine	12.7
3	procainamide	14.4

Structures

