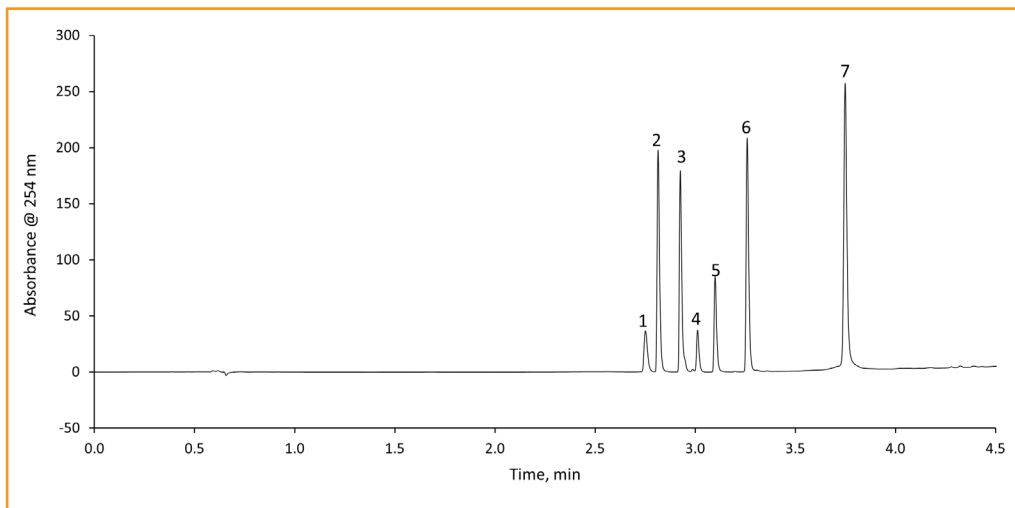




Local Anesthetics Separated Using HALO® PCS C18

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PEAK IDENTITIES:

1. Lidocaine
2. Prilocaine
3. Cocaine
4. Bupivacaine
5. Tetracaine
6. Dibucaine
7. Benzocaine

TEST CONDITIONS:

Column: HALO 90 Å PCS C18, 2.7µm, 2.1 x 100mm

Part Number: 92812-617

Mobile Phase: A: Water, 0.1% Formic Acid

B: Acetonitrile, 0.1% Formic Acid

Gradient Separation:

Time:	%B
0.00	2
1.00	2
4.00	75
4.50	75
4.6	2
6.5	2

Flow Rate: 0.4 mL/min

Back Pressure: 228 bar

Temperature: 30°C

Injection: 1.0 µL

Sample Solvent: 80/20 Water/ACN

Wavelength: PDA, 254 nm

Flow Cell: 1 µL

Data Rate: 100 Hz

Response Time: 0.025 sec.

LC System: Shimadzu Nexera X2

A local anesthetics panel is separated using the HALO® PCS C18 column. Local anesthetics are safe and provide great efficacy in the medical field. While the use of these anesthetics is routine, there are other pharmacological properties that anesthesiologists must be aware of when administering. To maintain patient safety, it is critical to be able to measure the amount of each anesthetic administered. Under reversed phase conditions this panel of 7 local anesthetics is separated in under 5 minutes with baseline resolution using the HALO® PCS C18 phase from AMT.

