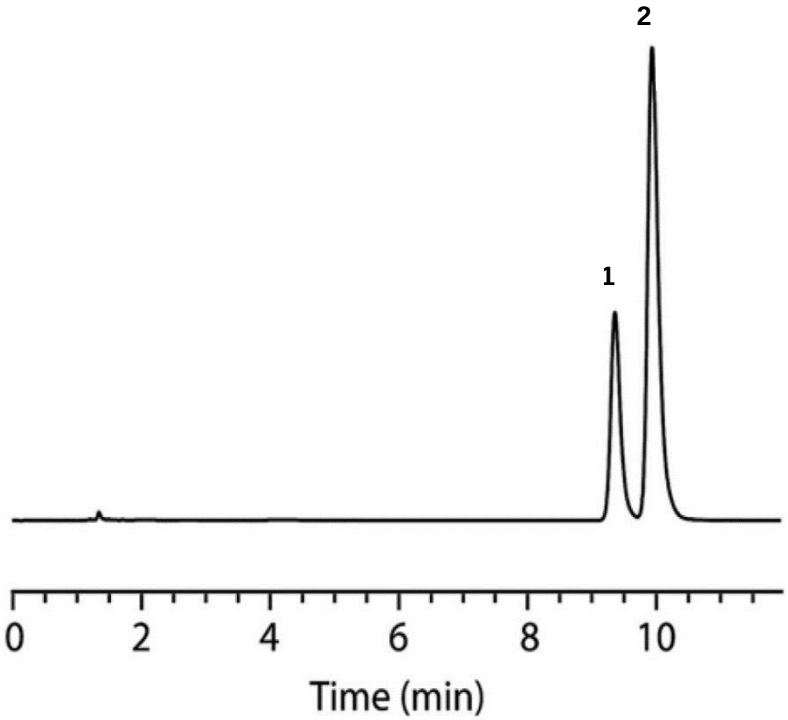
MDMA (Ecstasy) and PMA (Dr Death) Separation

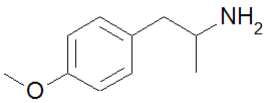
ACE®
Ultra-inert
UHPLC & HPLC Columns

Application #**AN4220**

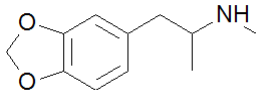
Conditions

Column:	ACE 3 C18
Dimensions:	150 x 4.6 mm
Part Number:	ACE-111-1546
Mobile Phase:	0.05 M KH_2PO_4 pH 3.2 in H_2O/MeCN (90:10 v/v)
Flow Rate:	1.2 mL/min
Injection:	10 µL
Temperature:	22 °C
Detection:	UV, 210 nm





1. PMA (4-Methoxyamphetamine)
LOD 0.08 µg/mL
LOQ 0.26 µg/mL



2. MDMA (3,4-Methylenedioxy methamphetamine)
LOD 0.04 µg/mL
LOQ 0.12 µg/mL

Cumba LR, Smith JP, Zuway KY, Sutcliffe OB, do Carmo DR, Banks CE. Forensic electrochemistry: simultaneous voltammetric detection of MDMA and its fatal counterpart 'Dr Death' (PMA). Anal. Methods, 8, 142-152 (2016)
doi: 10.1039/c5ay02924d