

# Paracetamol and Related Substances – Correcting for Column Volume

Application #AN4750

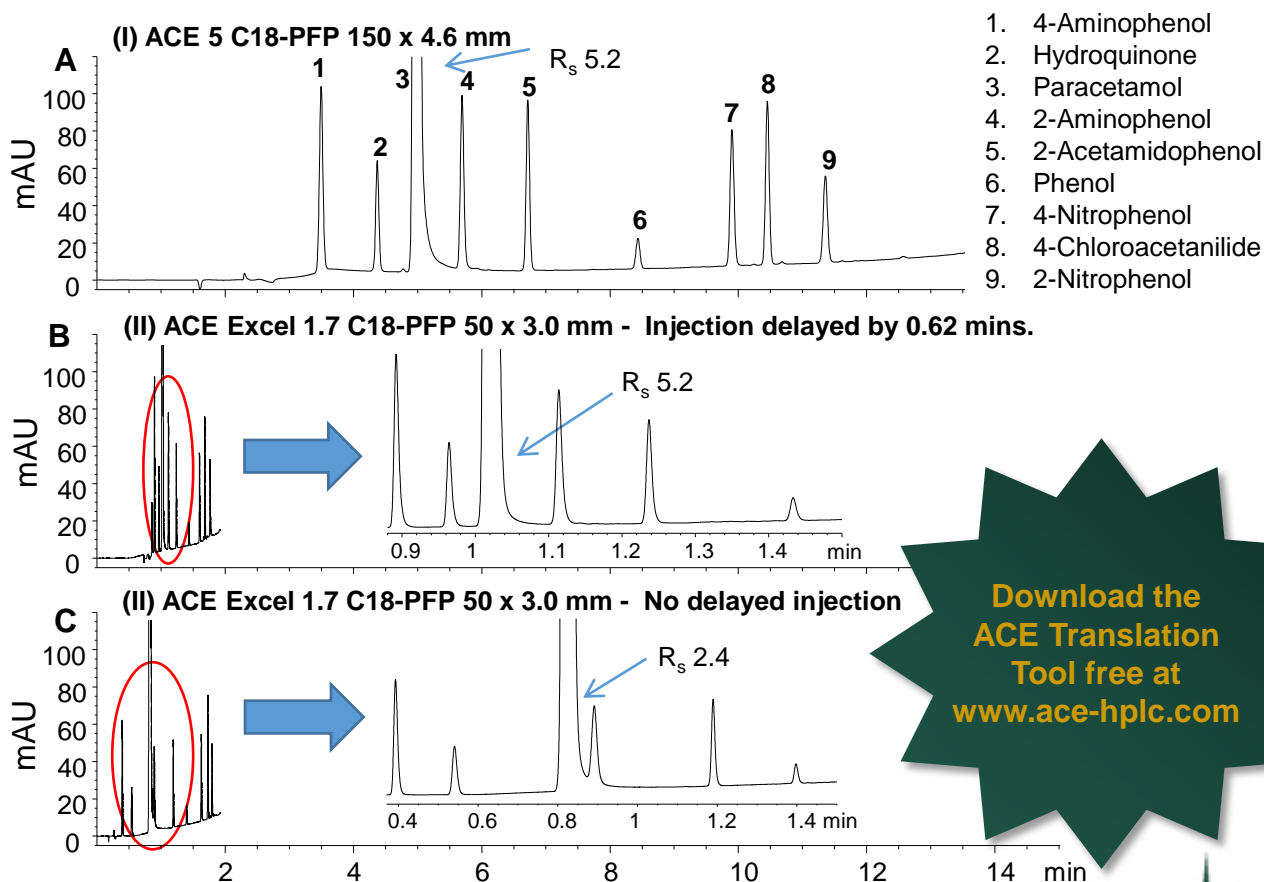
## Conditions

Column: (I) ACE 5 C18-PFP; (II) ACE Excel 1.7 C18-PFP  
 Dimensions: (I) 150 x 4.6 mm; (II) 50 x 3.0 mm  
 Part Number: (I) ACE-1210-1546; (II) EXL-1710-0503U  
 Mobile Phase: A: 20 mM ammonium acetate pH 6.0 in H<sub>2</sub>O  
 B: 20 mM ammonium acetate pH 6.0 in MeCN/H<sub>2</sub>O (80:20 v/v)

150 x 4.6 mm Time (mins)	50 x 3.0 mm Time (mins)	%B
0.0	0.00	5
15.0	1.70	95
17.0	1.93	95
17.5	1.99	5

Flow Rate: (I) 1 mL/min; (II) 1.25 mL/min  
 Injection: (I) 5 µL; (II) 0.7 µL  
 Temperature: 40 °C  
 Detection: UV, 230 nm  
 Sample: Paracetamol and related impurities spiked at 0.5% (w/w)

Failing to accurately translate methods from one column format to another can lead to loss of resolution and performance, as shown by Chromatogram C.



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