



The AOAC Official Method 990.25 specifies a 4.6×250 mm column packed with C8, 10 µm irregular particles—a column that has only about 7000 plates, and takes over an hour to run. The Acclaim RSLC C18 rapid separation column has the same number of plates, but has improved selectivity and a much shorter run time. Using well-known geometric scaling rules, the assay can be accelerated sixfold. Doubling the flow rate accelerates the analysis 12-fold, with no sacrifice in the quality of the separation.