



The Acclaim Mixed-Mode WAX-1 column provides a multimode separation mechanism including reversed-phase, anion-exchange, cation-exclusion, and HILIC interactions. Consequently, selectivity can be adjusted either independently or concurrently by changing ionic strength, pH, and organic solvent content in the mobile phase. Shown here is the separation of acetaldhyde and lactic acid. The oxidation product of acetaldhyde is also present in the sample. Experiments demonstrated that this mixture could not be separated on a reversed-phase column. The Acclaim Mixed-Mode WAX-1 column allows control over two retention mechanisms, leading to the development of a simple isocratic separation method.