

SCREENING STRATEGY – CHIRALPAK AGP

TYPICAL CHROMATOGRAPHIC CONDITIONS

Column size: 4.0 mm i.d. x 100 mm long
 Temperature: 20°C
 Flow rate: 0.9 mL/min
 Sample concentration: 0.1 mg/mL
 Injection: 5 µL

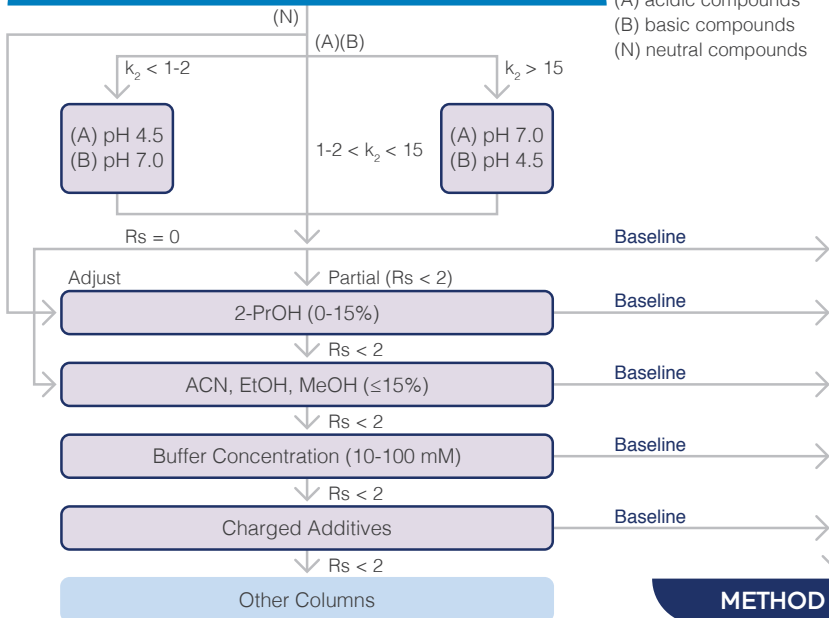
To preserve the column life, it is recommended to operate at temperatures $\leq 30^\circ\text{C}$.

Starting Condition

10 mM Ammonium Acetate Buffer (pH 5.8) / 2-PrOH = 95 / 5 (v/v)

Baseline

(A) acidic compounds
 (B) basic compounds
 (N) neutral compounds



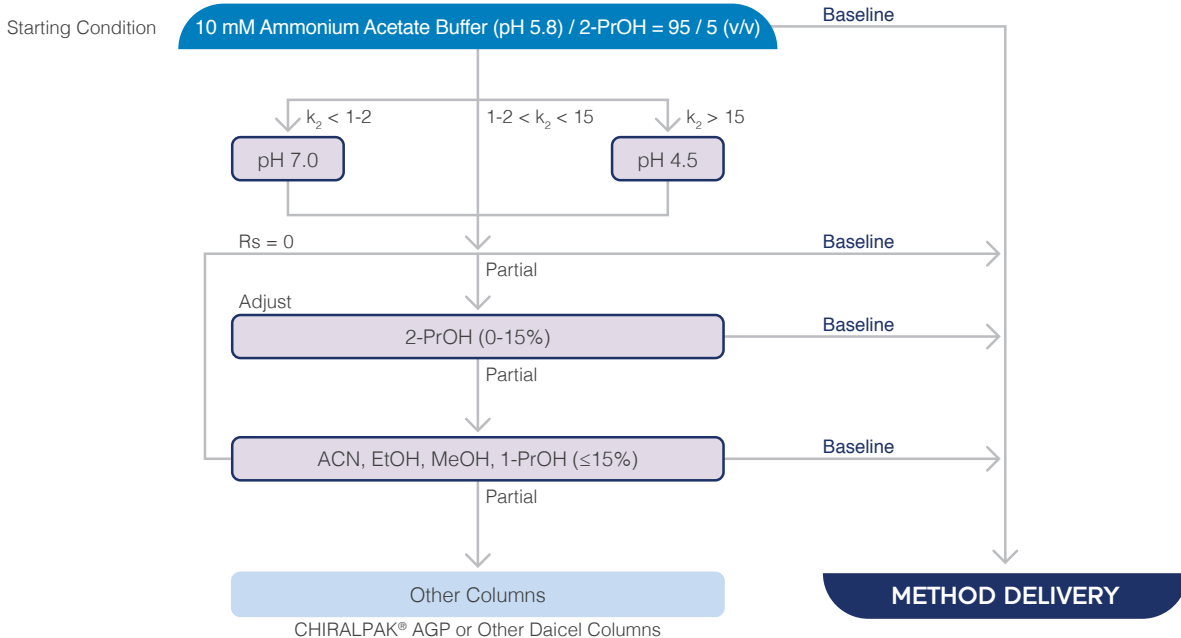
CHIRALPAK® HSA, CHIRALPAK® CBH, or other Daicel columns

SCREENING STRATEGY – CHIRALPAK CBH (PRIMARYLY FOR BASIC COMPOUNDS)

TYPICAL CHROMATOGRAPHIC CONDITIONS

Column size: 4.0 mm i.d. x 100 mm long
Temperature: 20°C
Flow rate: 0.9 mL/min
Sample concentration: 0.1 mg/mL
Injection: 5 µL

To preserve the column life, it is recommended to operate at temperatures $\leq 30^\circ\text{C}$.

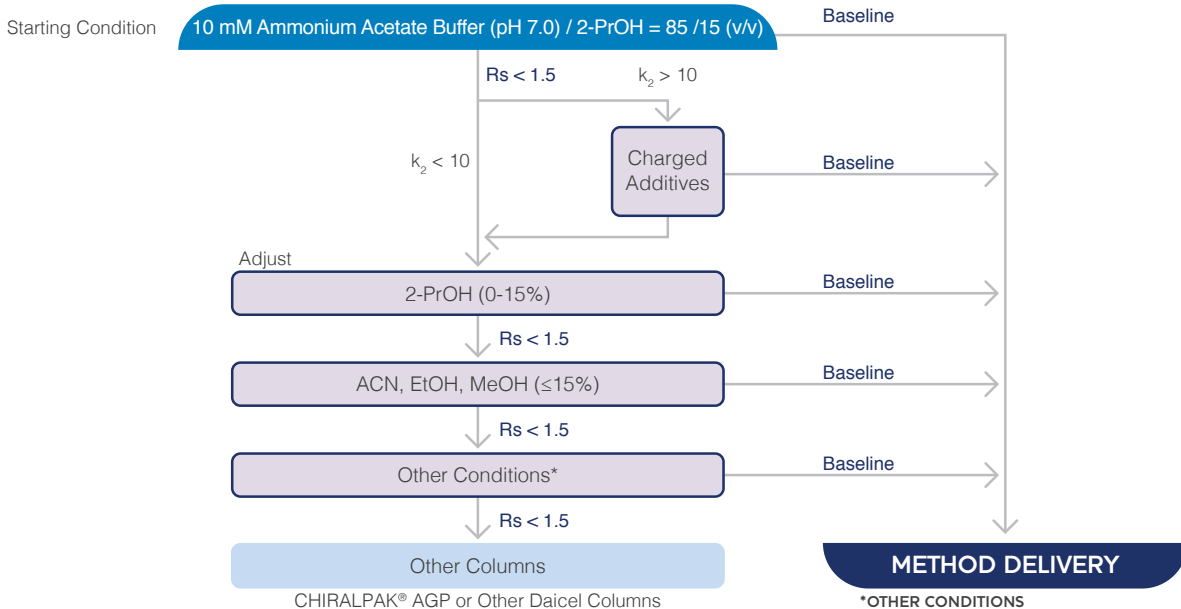


SCREENING STRATEGY – CHIRALPAK HSA (PRIMARILY FOR ACIDIC COMPOUNDS)

TYPICAL CHROMATOGRAPHIC CONDITIONS

Column size: 4.0 mm i.d. x 100 mm long
Temperature: 20°C
Flow rate: 0.9 mL/min
Sample concentration: 0.1 mg/mL
Injection: 5 μ L

To preserve the column life, it is recommended to operate at temperatures $\leq 30^\circ\text{C}$.



*OTHER CONDITIONS
weakly retained samples : pH 5.0
strongly retained samples : 30°C,
shorter column (50 mm)