

9.2.7.6 Coupled Systems

As well as discrete chromatographic detectors, supercritical-fluid chromatography has been coupled to more complex detectors and to other separation techniques and the most widely used are listed here.

Coupled supercritical-fluid chromatography-mass spectrometry (SFC-MS)

Separation system in which the column effluent from a supercritical-fluid chromatograph is passed directly to the inlet chamber of a mass spectrometer.

Coupled supercritical-fluid chromatography-Fourier-transform infrared spectrometry (SFC-FTIR)

Separation system in which the column effluent from a supercritical-fluid chromatograph is passed directly through a Fourier-transform infrared spectrometer.

Coupled supercritical-fluid chromatography-gas chromatography (SFC-GC)

Separation system in which a fraction from the supercritical-fluid chromatograph effluent is transferred directly to the inlet port or column of a gas chromatograph system.