

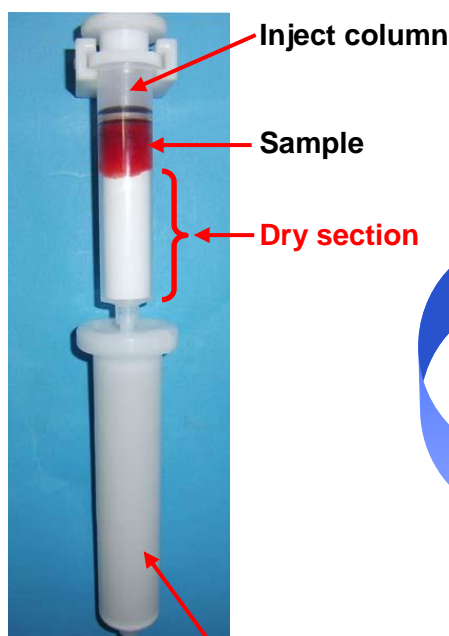
INJECT COLUMN (PAT. NO.6194036)

Samples dissolved in highly polar solvents can be well separated.

Highly polar solvent used to dissolve the sample often causes poor sample separation in flash chromatography. It is, therefore, advisable to use low polar solvent to dissolve the sample. Many times, however, it is necessary to use highly polar solvent when dissolving the tough-to-dissolve sample. Yamazen's Inject Column eliminates the harmful effect caused by highly polar solvent used to dissolve the sample, by trapping the highly polar solvent. By using Inject column together with main separation column such as Universal column, Hi-Flash column, etc. available from Yamazen, good sample separation can be achieved.

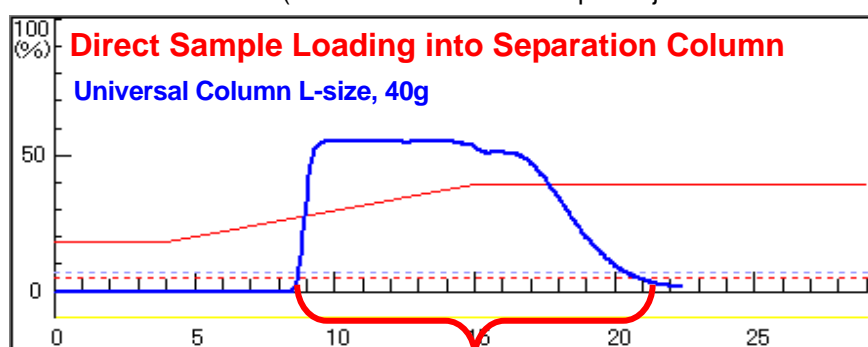
< Benefit of Using Inject Column for Separation of the Sample Dissolved in DMSO >

(Universal Column L-Size plus Inject Column M-Size)

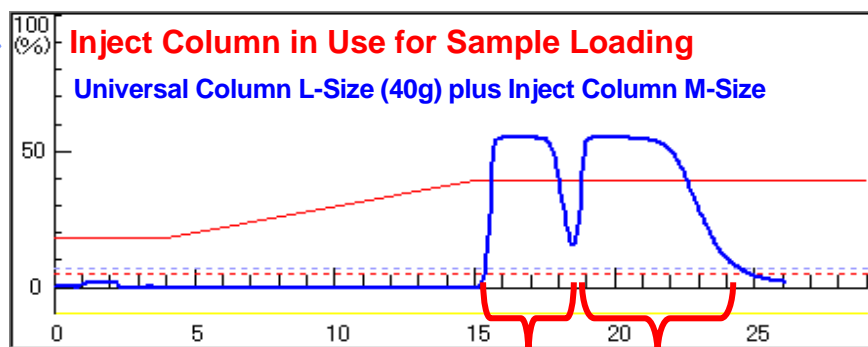


Main separation column
(Universal column, Hi-Flash column)
(Note: Column should be equilibrated.)

Sample:
Bu-HO-benzoate acid & Me-HO-benzoate acid
200mg each dissolved in 2ml of DMSO



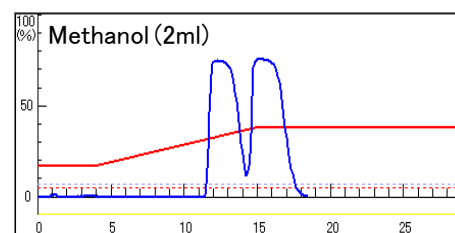
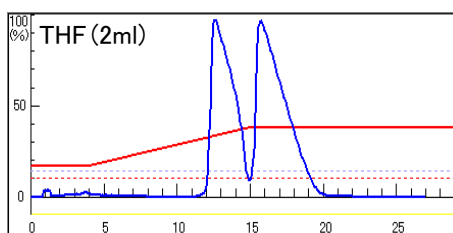
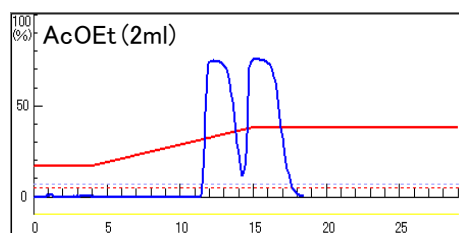
Two compounds eluted together, not separated by using DMSO to dissolve the sample.



Two compounds were separated well with use of Inject column together with Universal column.

< Benefit of Using Inject Column for the Sample Dissolved in Highly Polar Solvents >

(Inject column and Universal column were used in pair.)



Not Affected by Highly Polar Solvent in Sample At All!