

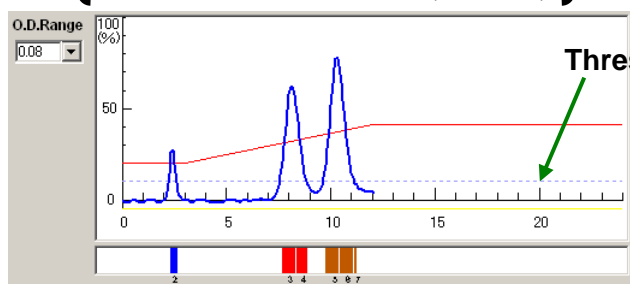
- Yamazen's UV Detectors provide a broad OD range - Importance of the broad Detection range in the Prep Chromatography

A broad OD range of 0.08-4.0 AUFS is provided on all Yamazen's UV detectors, prepUV-254, prepUV-10V (variable wavelength) and prepUV-VIS-10V (UV-Visible).

Most of other detectors for flash chromatography, available on the market, are capable of absorbing the UV in the narrower range of 0.32-2.0 AUFS.

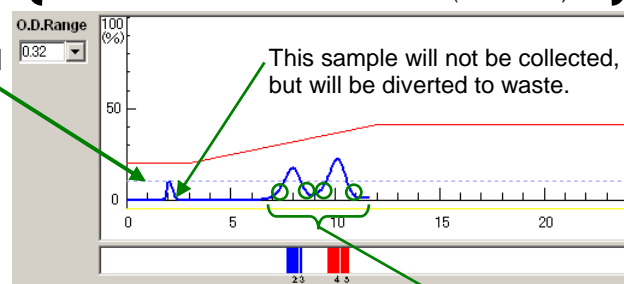
When running a small size sample or a sample that has low UV absorption;

(Highly Sensitive Sample Separation on the Yamazen's UV Detector (0.08 AUFS))



Even those samples that are small and/or samples that have low UV absorption will also separate well and be collected without any loss.

(Highly Sensitive Sample Separation on the UV Detectors of Other Manufacturers (0.32 AUFS))

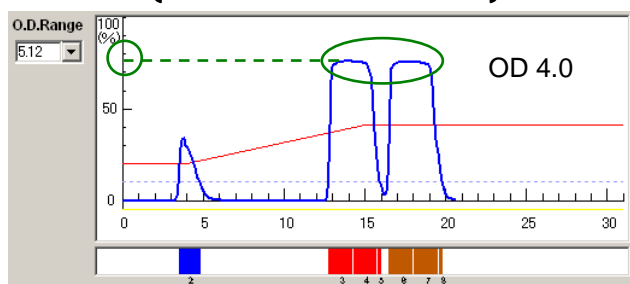


An entire peak or a good portion of the peaks are detected below the threshold, and a precious sample may be lost.

Sample: Butyl p-hydroxybenzoate, 0.5mg Methyl p-hydroxybenzoate, 0.5mg Toluene, 9mg
Column used: Yamazen's Hi-Flash, L (30 gram) Fractionation mode: Peak mode separation

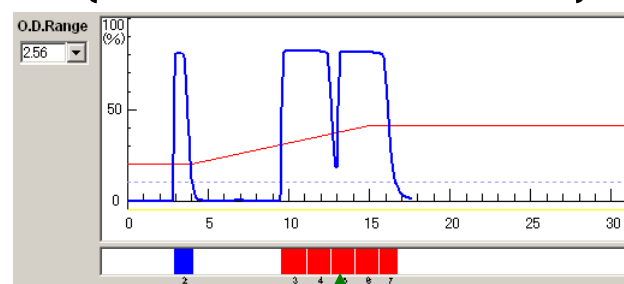
When running a large scale sample and/or a sample that has high UV absorption;

(Yamazen's UV Detectors)



Yamazen's UV detectors are capable of detecting up to OD 4.0 without any peak saturation. Even a large-scale sample and/or a sample that has high UV absorption can be separated well.

(UV Detectors of Other Manufacturers)



Peaks are saturated at around OD 2.0, and are not well separated.

Sample: Butyl p-hydroxybenzoate, 500mg Methyl p-hydroxybenzoate, 500mg Toluene, 900mg
Column used: Yamazen's Hi-Flash, 2L (45 gram) Fractionation mode: Peak mode separation

Yamazen's powerful UV detectors are sure to meet any customer's requirements in flash chromatography.