

## How to increase HPLC UV detector response – Tips & Suggestions

**In accordance with Beer's law, there are only three things you can do to obtain increased analyte response in UV detection:**

- 1, The first is increasing the analyte concentration.
2. The second is increasing the path length of the UV flow cell.  
*To do this, you could use an instrument with or allows a longer path length.*
3. The third is to increase the value of the molar extinction coefficient.  
*You can do this by operating at a wavelength corresponding to the Lambda max of the analyte.*

*You normally do not want to go over approximately 1000 mAU because deviations from the ideal linear behavior predicted by Beer's law can result above this region.*