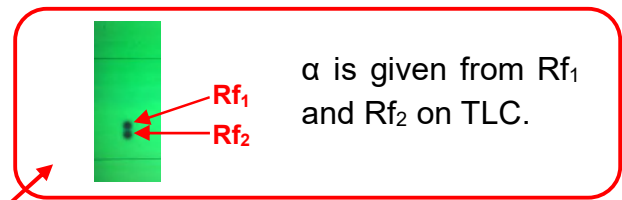
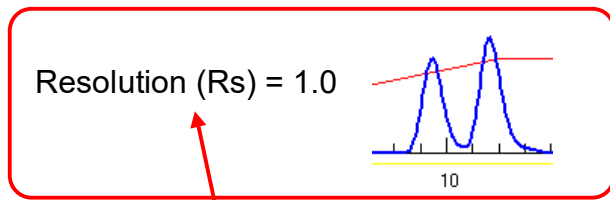
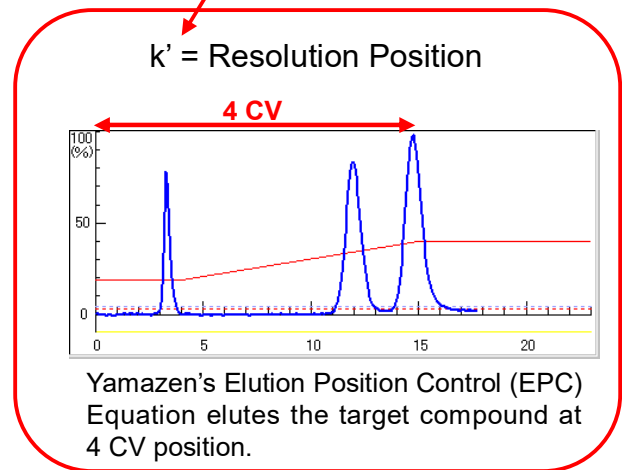
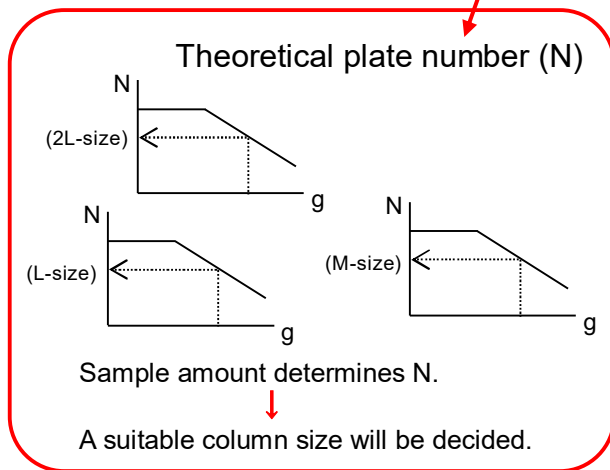


**If you have 1gram of sample to purify, Yamazen software will tell what column and method would be used.**



$$R_s = \frac{\sqrt{N}}{4} \left( \frac{\alpha - 1}{\alpha} \right) \left( \frac{k'}{k' + 1} \right)$$



**Yamazen "Smart Flash" can develop the purification method from the TLC results and the sample amount.**

< What other companies are doing to prevent the failure of the sample separation. >

**Company A**

No idea of the suitable sample amount

1. Failure of sample separation due to sample overload.

2. To prevent failure of sample separation, an unnecessarily large column is used.

Time and Solvent will be wasted.

**Company B**

No idea about the elution position of the target compound

1. If eluted too soon, a sample will not be separated.

2. A sample is eluted with an unnecessarily low solvent polarity.

(Ex.)  
Eluting the sample at 10 CV.  
↓  
Lengthy chromatography  
↓  
Flow rate is forcefully increased to shorten the run time..  
↓  
N (theoretical plate number) will become lower.