

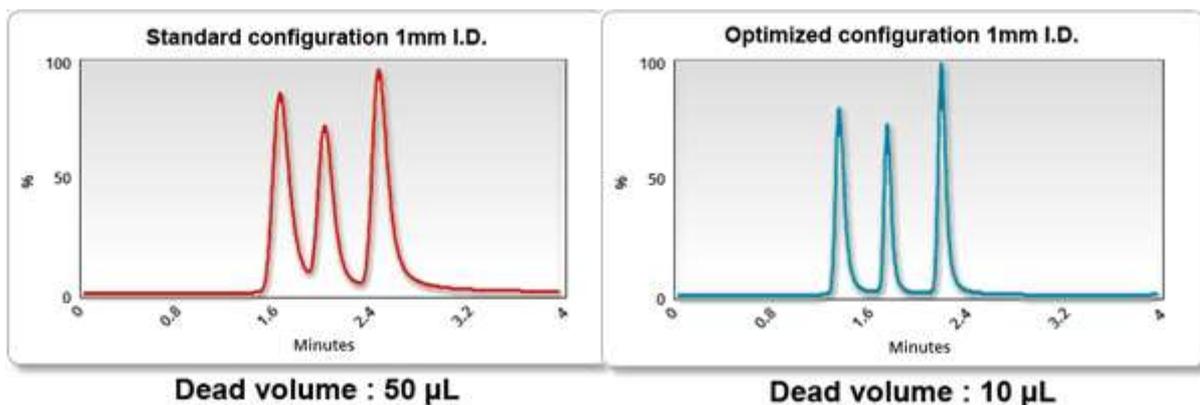


Why IonBench LC?

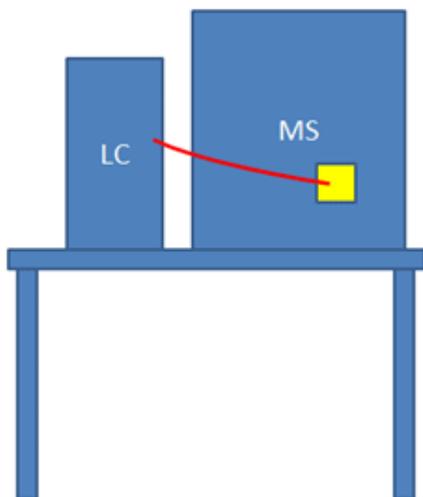
Increase LC/MS Performance:

It make sense for a Mass Spec user to minimize the void volume between the column and the MS Source. This dead volume can be the cause of the chromatography peak tailing.

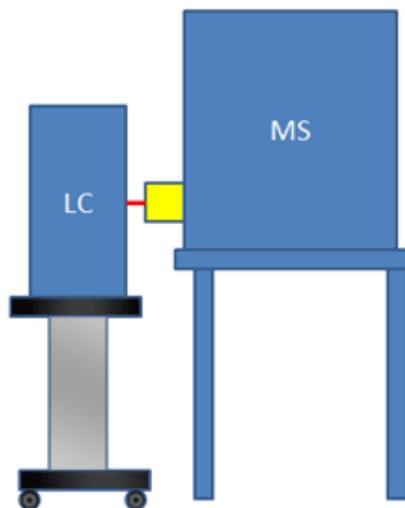
Check the spectrograms below and see by yourselves:



With IonBench LC, you can optimize the global performance of your LC/MS combination by adjusting position X, Y and height H, and see real benefits of the system mobility by placing the column as close as possible to the Mass Spectrometer source.



Classic configuration



Optimized configuration with IonBench LC

- Tubing
- MS Source

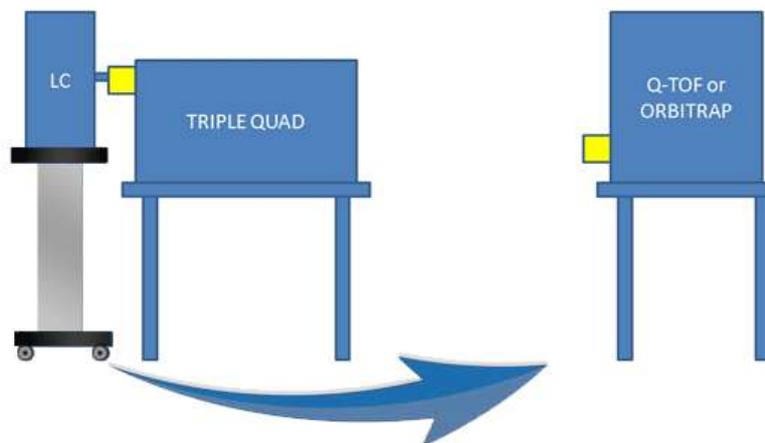
Here is an illustration of a μ LC Thermo Ultimate 3000 and Thermo Q Exactive with optimized dead volume installation.



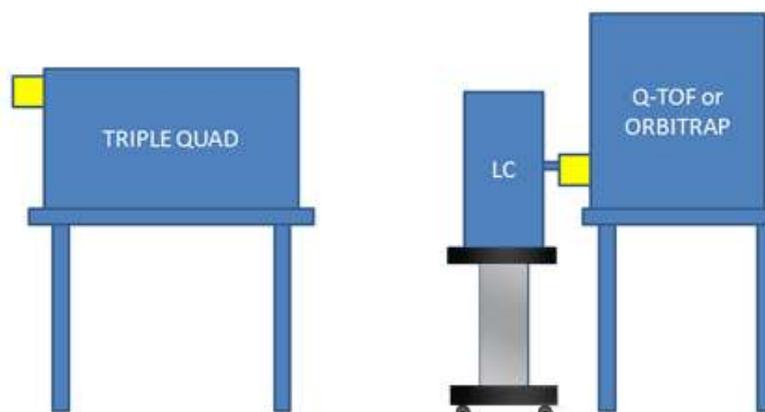
This simple void volume optimization allows you to get the best performance of your LC/MS System.

Save time:

Do you need to run the same sample on a Triple Quad and on a TOF or Orbitrap for example, in order to get more qualitative result? Currently, after injection on the triple quad, you would need to restart full method on the other LC/MS system [ie change the solvent, the column, wait for the system to be conditioned...] It is, therefore, likely that it will take you one to two hours to perform this.



If you need to inject again the same sample, move the LC and inject again in 10 minutes. Optimize the dead volume by adjusting the height.

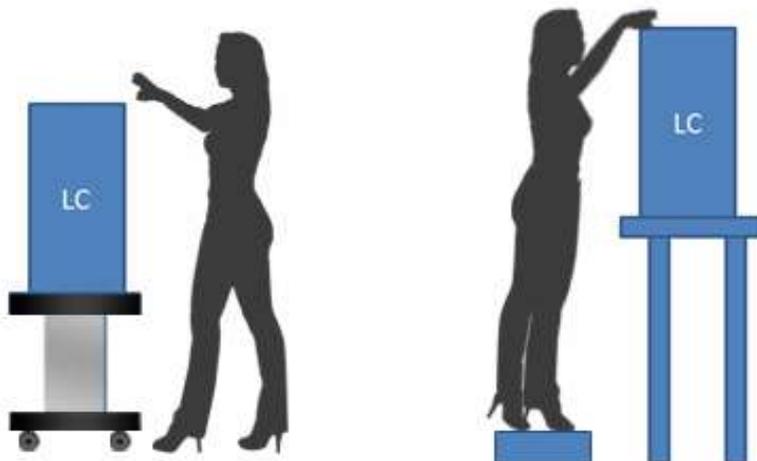


With IonBench LC on your Triple Quad, if you need to re-inject on another MS technology, just move the LC to the other MS and restart the run in 10 minutes!

If you want the system still running during the switch, just use a small UPS...

IonBench LC: Contributes to Lab Safety & Productivity:

Most operators currently use a step stool to reach the top of the HPLC/UHPLC system. This means that they must obtain the step stool from its storage place, climb up and down to maintain solvents, stand on the small step stool surface area while they are servicing the instrument, and partially block the floor space around the system while they are performing this routine operation. This activity represents multiple opportunities for an accident and takes time.

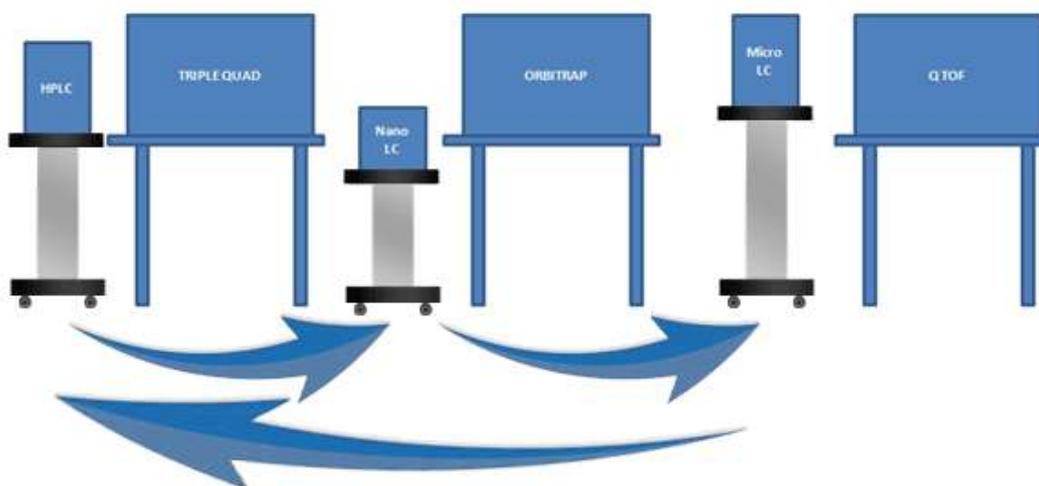


With IonBench LC, the operator simply flips a switch to lower the system to a safe and manageable height, performs the solvent task, and raises the platform back up to the required operating height.

Transportable LC:

Another advantage of IonBench LC is its transportable feature. You may have basic HPLC, UHPLC, μ LC and nano LC in you lab, as well as Triple quad, Orbitrap, Q ToF with different sensitivity and accuracy.

Change your configurations the way you want and get the benefit of multiple configuration, easily !



Move your LC's
Benefit the flexibility of multiple configuration