

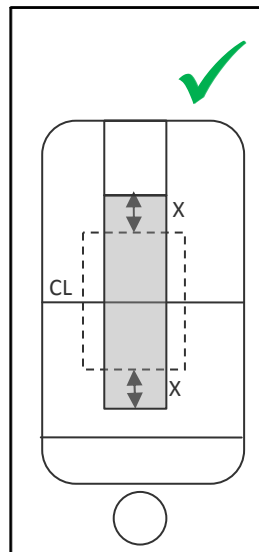
## Sample positioning for Varian spectrometers

### Standard tubes:

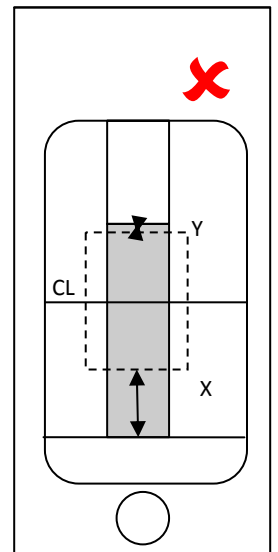
If your sample is shorter than this box (40 mm):



You must center it in the depth gauge around the black line labeled "CL" (or the dashed box printed on the label) instead of pushing the tube all the way down. Otherwise you may get lineshape errors that cannot be shimmed away.



Correct

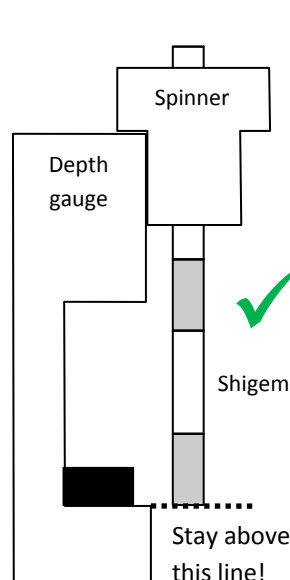


Incorrect

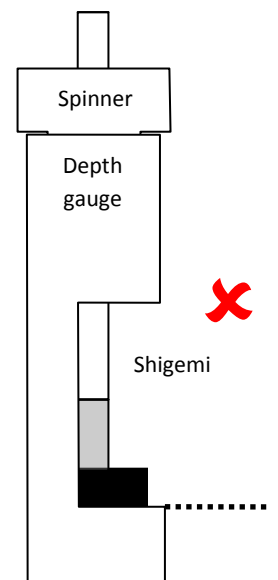
### Shigemi tubes:

Shigemi tubes must be adjusted on the *outside* of the depth gauge so the liquid is centered as above. If you adjust the tube inside the depth gauge the tube will sit too high.

**CAUTION:** Never let the bottom of the tube extend below the bottom of the cut-out on the depth gauge! If you do, it will come in contact with the bottom spacer inside the probe and that could break your tube or cause thousands of dollars worth of damage to the probe.



Correct



Incorrect