

UPF8640

Coo Protein Assay

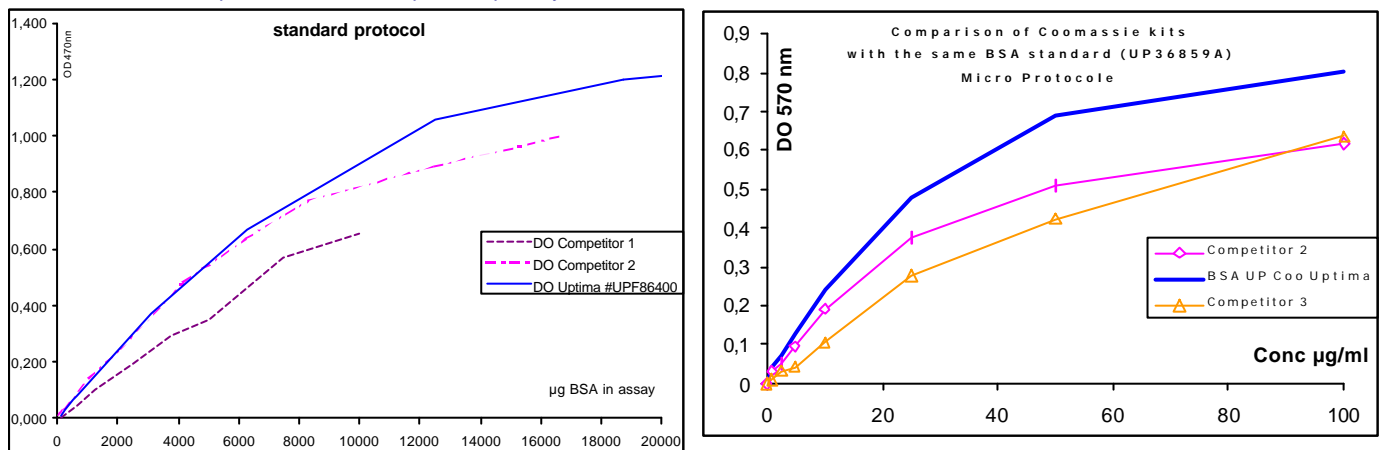
(Bradford based protein quantitation kit)

3 commercially available Bradford assays were compared for their performances, notably:

- sensitivity (=minimum protein detection level)
- linearity of the signal (on which depends the accuracy of the quantitation)
- compatibility with possible interfering substances

Sensitivity and linearity

All kits were used according to their respective standard protocols, in microplate, with a same protein standard (bovine albumin). Results are expressed in terms of protein quantity.



Conclusion :

The Uptima kit shows **excellent sensitivity, with higher signal** at high protein level, allowing a broader usefull range

The standard curve of Uptima assay has similar or better linearity.

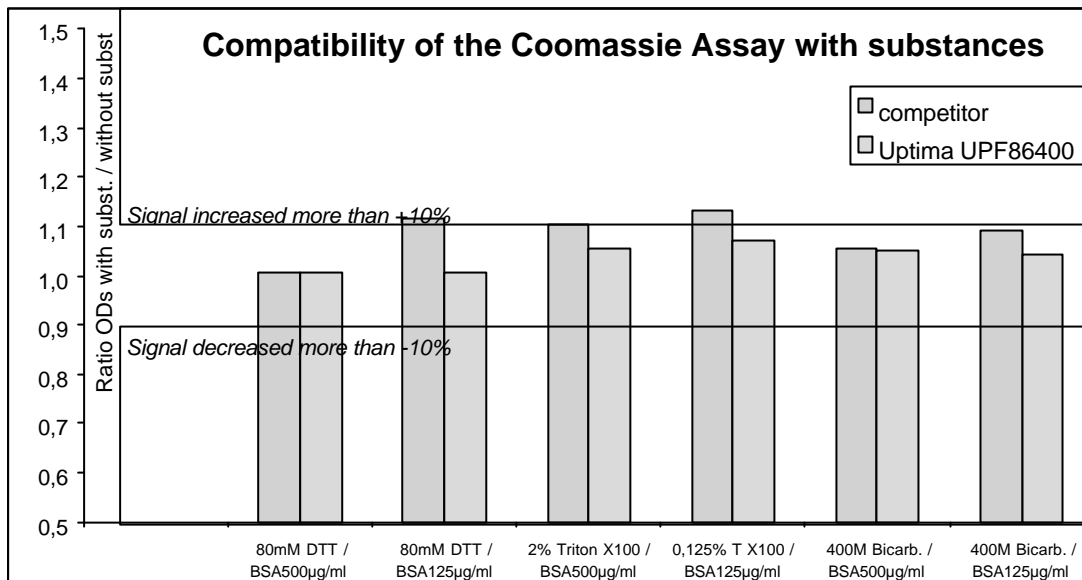
Rem: Coomassie-based methods are well known for giving poorly linear signal, depending on protein concentrations. Please ask Uptima for the assay that suits best your application. Notably, the BC Assay #UP40840A is a versatile choice, with a very linear response.

Compatibility

Sample: BSA at 0.5 or 0.125mg/ml + substance to test at the indicated concentration

Protocol: standard protocol of the respective kits, in microplate

If OD with the substance increases or decreases over OD without the substance of more than 10%, the assay is considered incompatible with the substance



Conclusion:

Results show that Uptima is **more compatible** with the 3 tested compounds