

BCA Peptide Quantification

To measure Peptide concentration using bicinchoninic acid assay (BCA assay) as follows:

Sample	BSA tryptic digest (μl)	Sample (μl)	Sample Vehicle (μl)	MilliQ (μl)	2% SDS and 1N NaOH (μl)
Blank (x2)	0	0	10	15	25
Standard(x2) (1.25 μg/ μl)	10	0	10	5	25
Sample	0	10	0	15	25

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1. Incubate at 95°C for 5 minutes
2. Add 1000ul prepared BCA (solutionA: solutionB; 1:50)
3. Incubate at 60°C for 30 minutes
4. Cool down at room temperature for 20 minutes.
5. Read at A₅₆₂
6. Unify the volume to be 0.5ug/6ul