

# Protein Concentration Measurement

## A280 Method

Direct, fast, needs pure protein.  $\epsilon$  calculated from Trp/Tyr content.

$$c = A_{280} / \epsilon$$

## BCA Assay

Cu<sup>2+</sup> reduction. A<sub>562</sub>. Compatible with detergents. 20-2000 µg/mL.

## Bradford Assay

Coomassie dye binding. A<sub>595</sub>. Sensitive (1-100 µg/mL). Detergent interference.

## ⚠ Interference Factors

DTT, β-ME affect BCA. SDS affects Bradford. Buffer composition critical.