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Photo Absorbance Meter

PiCOEXPLORER

PAS-110-YU



Protein Quantification with PiCOEXPLORER (BCA assay)

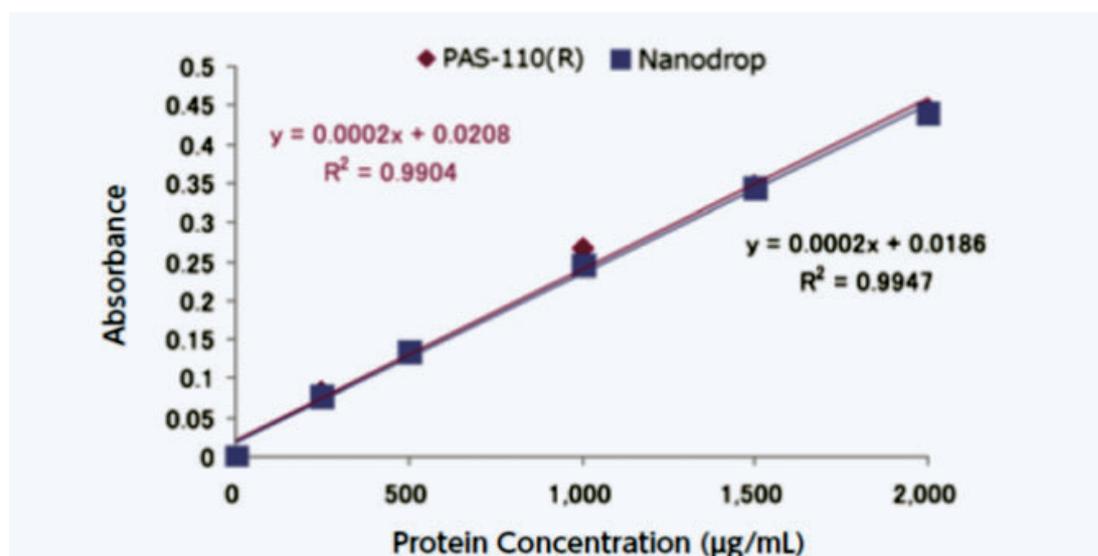
Overview Calibration curves are generated using PiCOEXPLORER and NanoDrop1000 (Thermo Scientific).

Reagent Pierce™ BCA Protein Assay Kit by Thermo Fisher Scientific.
Note: BCA stands for Bicinchoninic Acid Assay.

- Procedure**
1. Dispense 25 µl of test sample solution into a 0.2 ml PCR tube
 2. Add 200 µl of BCA reagent to the test sample solution
 3. Incubate for 30 min at 60°C
 4. Quantify the protein content in the sample by using PiCOEXPLORER and NanoDrop1000 to generate calibration curves

*Wavelength range (Color sensor R) : 575-660 nm

Calibration Curves



Result PiCOEXPLORER is applicable to BCA assay

Measurement Partner Biochemistry Process Study Group, Advanced Manufacturing Research Institute, National Institute of Advanced Industrial Science and Technology

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For the development of scientific technologies

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