

Specification – N00173-09-R-TB03

Surface Plasmon Resonance (SPR) - Based Protein Interaction Array System

The system must meet the following Specification:

1. Automated fluidics: The system must be able to acquire data SPR data under controlled flow conditions.
2. Automated data analysis: The system must both collect and analyze the SPR data obtained.
3. Multiplexed data acquisition: The system must be able to both analyze either a single antibody at multiple concentrations to permit rapid analysis of its K_d , and be able to analyze multiple antibodies vs multiple targets to allow rapid determination of relative affinity and selectivity.
4. The system must include the following: Autosampler, temperature control (2 – 35 degrees Celsius), inline degasser, software controlled syringe pumps, variable flow rate (25 to 200 ul/min).