

Fida 1: Main Technical Specifications and Characteristics (version JAN 2020)

Detection technology	Fluorescence (multiple wavelengths available)
Data presentation	Result tables, result plots, and real-time monitoring of signal
Working principle	Novel ligand binding principle for direct detection of molecules and molecular interactions in native conditions
Applications	Tolerant to sample matrices such as plasma or serum, high and low ionic strength, presence of detergents etc. Works for a wide range of molecular weights (100 - +10 ⁶ Da) of proteins and other biomolecules in various sample environments
Binding Kinetics	Assessment of fast and slow interacting systems
Dissociation constant (K _D):	100 μM to 1 pM
Detection limit (indicator)	Typically 0.1 nM (depending on application)
Molecular weight detection	Down to 100 Da in various sample environments
Quantification capabilities	pM - mM
Assay control	In-built (based on size estimates of complex and monitoring of complex recipitation)
Sample capacity per run	Maximum 96 samples
Baseline noise	Typically < 0.1 RU (RMS)
Baseline drift	Typically < 0.3 RU/min
Pressure range	1 - 2000 mBar
Analysis and sample temperature range	4 - 55° C
Data export	Excel® format result data export, text file raw data export
Image export	Clipboard export
Safety and EMC standards	Complies with and applies to Europe and North America (US and Can) standards

Instrument is to be used for research purpose only

Ordering Information

Part Number	Model	Description
0005.5xx	FIDA Analyser (230V)	Temperature controlled inlet autosampler 50/96* indicator and 50 analyte positions, outlet autosampler 20 positions, temperature controlled capillary compartment, pre-installed proprietary Fidabio Software Suite, PC and start-up kit
0005.5xx	FIDA Analyser (115V)	