

2100 AGILENT BIOANALYZER REAGENTS SELECTION GUIDE

RNA Analysis

RNA kit	Quantitative range	Qualitative range	Samples/kit
RNA nano chip	25-500 ng/ μ l total RNA or 25-250 ng/ μ l mRNA	5-500 ng/ μ l total RNA or 25-250 ng/ μ l mRNA	300
RNA pico chip	50-5000 pg/ μ l of total RNA or 250 pg/ μ l of mRNA		275

RNA Kit	Sizing range	Sensitivity	Samples/kit
Small RNA	6-150 nt	50 pg/ μ l (for 40 nt fragment or diluted ladder)	275

DNA Analysis

DNA Kit	Sizing range	Quantitative range	Samples/kit
DNA 1000 chip	25-1000 bp	0.1-50 ng/ μ l	300
DNA 7500 chip	100-7500 bp	0.5-50 ng/ μ l	300
DNA 12000 chip	100-12000 bp	0.5-50 ng/ μ l	300
High sensitivity DNA chip	50-7000 bp	5-500 pg/ μ l	110

Protein Analysis

Protein Kit	Sizing range	Quantitative range	Qualitative range	Samples/kit
Protein 80 chip	5-80 kDa	60-2000 ng/ μ l CAII in PBS	6-4000 ng/ μ l CAII and BLG in PBS	250
Protein 230 chip	14-230 kDa	15-2000 ng/ μ l CAII, 30-2000 ng/ μ l BSA in PBS	6-5000 ng/ μ l CAII, 15-5000 ng/ μ l BSA in PBS	250

Protein kit	Sizing range	Quantitative range	Sensitivity	Samples/kit
High sensitivity protein 250 chip	10-250 kDa	(0.3 to 3000 ng/ μ l BSA	1 pg/ μ l labeled BSA in water on chip with labeling reaction performed at 1 ng/ μ l total Protein; 5 pg/ μ l for labeled BSA in PBS	100