Data Sheet

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Agilent Fragment Analyzer Consumables

Analysis kits and capillary arrays

The unique design features of the Fragment Analyzer instruments combines ease of use automated electrophoresis with the flexibility to switch between DNA and RNA analysis kits without maintenance between runs. The reagent kit portfolio covers a broad range of applications and offers efficient solutions for separating and analyzing nucleic acids.

Quantitative Kits

The kits below use internal standards for accurate quantification and are ideal for various applications such as next-generation sequencing (NGS) quality control, cfDNA, and genomic DNA.

DNA/NGS Fragment Analysis

Kit name	Sizing range	Input concentration range	Part number	Kit sizes
NGS Fragment kit (1-6000 bp)	100 - 6,000 bp	5 - 100 ng/µL	DNF-473-0500 DNF-473-1000	500 samples 1,000 samples
HS NGS Fragment kit (1-6000 bp)	100 - 6,000 bp	50 - 5,000 pg/µL	DNF-474-0500 DNF-474-1000	500 samples 1,000 samples
Small Fragment kit	50 - 1,500 bp	5 - 100 ng/µL	DNF-476-0500	500 samples
HS Small Fragment kit	50 - 1,500 bp	100 - 5,000 pg/µL	DNF-477-0500	500 samples

Genomic DNA Analysis

Kit name	Sizing range	Input concentration range	Part number	Kit sizes
Genomic DNA 50 kb kit	75 - 60,000 bp	25 - 250 ng/µL	DNF-467-0500	500 samples
HS Genomic DNA 50 kb kit	75 - 60,000 bp	0.3 - 12 ng/µL	DNF-468-0500	500 samples

Large Fragment Analysis

Kit name	Sizing range	Input concentration range	Part number	Kit sizes
HS Large Fragment 50 kb kit	75 - 48,500 bp	50 - 5,000 pg/µL	DNF-464-0500	500 samples
Large Fragment kit	50 - 20,000 bp	5 - 100 ng/µL	DNF-492-0500 DNF-492-1000	500 samples 1000 samples

RNA Analysis

Kit name	Sizing range	Input concentration range	Part number	Kit sizes
Small RNA kit	15 - 200 nt	50 - 2,000 pg/µL	DNF-470-0275	275 samples
RNA kit (15 nt)	200 - 6,000 nt	25 - 500 ng/µL	DNF-471-0500 DNF-471-1000	500 samples 1,000 samples
HS RNA kit (15 nt)	200 - 6,000 nt	Total RNA: 50 - 5,000 pg/µL mRNA: 500 - 5,000 pg/µL	DNF-472-0500 DNF-472-1000	500 samples 1,000 samples

Qualitative Kits

The kits below are for sizing and qualitative analysis, using a double injection of sizing markers and sample. Appropriate for genotyping or analysis of SSR's/microsatellites, and PCR fragments.

Kit name	Sizing range	Input concentration range	Part number	Kit sizes
dsDNA 905 Reagent kit (1-500 bp)	35 - 500 bp	0.5 - 50 ng/µL	DNF-905-K0500 DNF-905-K1000	500 samples 1,000 samples
dsDNA 910 Reagent kit (35-1500 bp)	35 - 1,500 bp	0.5 - 50 ng/µL	DNF-910-K0500 DNF-910-K1000	500 samples 1,000 samples
dsDNA 915 Reagent kit (35-5000 bp)	35 - 5,000 bp	0.5 - 50 ng/µL	DNF-915-K0500 DNF-915-K1000	500 samples 1,000 samples
dsDNA 920 Reagent kit (75-15000 bp)	75 - 15,000 bp	0.5 - 50 ng/µL	DNF-920-K0500	500 samples
dsDNA 930 Reagent kit (75-20000 bp)	75 - 20,000 bp	0.5 - 50 ng/µL	DNF-930-K0500 DNF-930-K1000	500 samples 1,000 samples
dsDNA 935 Reagent kit (1-1500 bp)	100 - 1,500 bp	0.5 - 50 ng/µL	DNF-935-K0500 DNF-935-K1000	500 samples 1,000 samples
Plasmid DNA kit	2,000 - 10,000 bp	0.1 - 1.0 ng/µL	DNF-940-K0500	500 samples

CRISPR Mutation Kit

The CRISPR Discovery Gel kit was designed for the automated screening of CRISPR-induced mutation events within a target fragment.

Kit name	Sizing range	Input concentration range	Part number	Kit sizes
CRISPR Discovery Gel kit	100 - 6,000 bp	0.005 - 2 ng/µL	DNF-910-K1000CP	1,000 samples

Capillary Arrays

Agilent developed various capillary arrays for the Fragment Analyzer systems to provide superior separation resolution and nucleic acid quantification.

Array name	Part number
FA 12-Capillary Array Ultrashort	A2300-1250-2247
FA 12-Capillary Array Short	A2300-1250-3355
FA 12-Capillary Array Long	A2300-1250-5580
FA 48-Capillary Array Short	A2300-4850-3355
FA/ZAG 96-Capillary Array Short	A2300-9650-3355
FA/ZAG 96-Capillary Array Long	A2300-9650-5580

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