

Errata Notice

This document contains references to "Advanced Analytical" or "AATI." Please note that Advanced Analytical was purchased by Agilent in June 2018. This document is provided as a courtesy and is no longer kept current. For more information, contact Agilent via: www.agilent.com/chem/contactus



Analysis Kits

Fragment Analyzer Automated CE System



Quantitative Kits

The kits below are for sizing and quantitative analysis of DNA or RNA samples, using internal standards for accurate quantification.

DNA/NGS Fragment Analysis

Standard Sensitivity NGS Fragment Analysis Kit (1 bp - 6,000 bp), DNF-473

- Sizing Range: 100 bp - 6,000 bp
- Input Concentration Range: 5 ng/ μ L - 100 ng/ μ L

High Sensitivity NGS Fragment Analysis Kit (1 bp - 6,000 bp), DNF-474

- Sizing Range: 100 bp - 6,000 bp
- Input Concentration Range: 50 pg/ μ L - 5,000 pg/ μ L

High Sensitivity Small Fragment Analysis Kit, (1 bp - 1,500), DNF-477

- Sizing Range: 50 bp - 1,500 bp
- Input Concentration Range: 50 pg/ μ L - 5,000 pg/ μ L

Large Fragment Analysis

High Sensitivity Large Fragment 50 Kb Analysis Kit, DNF-464

- Sizing Range: 75 bp - 48,500 bp
- Input Concentration Range: 50 pg/ μ L - 5,000 pg/ μ L
- 500 Sample Kit Only

Standard Sensitivity Large Fragment Analysis Kit, DNF-492

- Sizing Range: 50 bp - 20,000 bp
- Input Concentration Range: 5 ng/ μ L - 100 ng/ μ L

High Sensitivity Large Fragment Analysis Kit, DNF-493

- Sizing Range: 50 bp - 20,000 bp
- Input Concentration Range: 50 pg/ μ L - 5,000 pg/ μ L

Genomic DNA Analysis

Genomic DNA 50 Kb Analysis Kit, DNF-467

- Sizing Range: 75 bp - 60,000 bp
- Input Concentration Range: 25 ng/ μ L - 250 ng/ μ L
- 500 Sample Kit Only

High Sensitivity Genomic DNA Analysis Kit, DNF-488

- Sizing Range: 50 bp - 40,000 bp
- Input Concentration Range: 50 pg/ μ L - 5,000 pg/ μ L

RNA Analysis

Small RNA Analysis Kit, DNF-470

- For Small and microRNA analysis
- Sizing range: 15 nt - 200 nt
- Input Concentration Range: 50 pg/μL - 2,500 pg/μL
- 275 Sample Kit Only, Optimized for 12 cap array

Standard Sensitivity RNA Analysis Kit, (15 nt), DNF-471

- For Total RNA analysis
- Sizing range: 200 nt - 6,000 nt
- Input Concentration Range: 5 ng/μL - 500 ng/μL

High Sensitivity RNA Analysis Kit, (15 nt), DNF-472

- For Total RNA or mRNA analysis
- Sizing range: 200 nt - 6,000 nt
- Total RNA Input Concentration Range: 50 pg/μL - 5,000 pg/μL
- mRNA Input Concentration Range: 250 pg/μL - 5,000 pg/μL

Qualitative Kits

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

dsDNA 905 Reagent Kit, 1 bp - 500 bp, DNF-905

- Sizing Range: 35 bp - 500 bp, uses DNF-905 gel
- Input Concentration Range: 0.5 ng/μL - 50 ng/μL (can be adjusted by dilution of sample)

dsDNA 910 Reagent Kit, 35 bp - 1,500 bp, DNF-910

- Sizing Range: 35 bp - 1,500 bp, uses DNF-810 gel
- Input Concentration Range: 0.5 ng/μL - 50 ng/μL (can be adjusted by dilution of sample)

dsDNA 915 Reagent Kit, 35 bp - 5,000 bp, DNF-915

- Sizing Range: 35 bp - 5,000 bp, uses DNF-810 gel
- Input Concentration Range: 0.5 ng/μL - 50 ng/μL (can be adjusted by dilution of sample)

dsDNA 930 Reagent Kit, 75 bp - 20,000 bp, DNF-930

- Sizing Range: 75 bp - 20,000 bp, uses DNF-930 gel
- Input Concentration Range: 0.5 ng/μL - 50 ng/μL (can be adjusted by dilution of sample)

dsDNA 935 Reagent Kit, 1 bp - 1,500 bp, DNF-935

- Sizing Range: 100 bp - 1,500 bp, uses DNF-930 gel
- Input Concentration Range: 0.5 ng/μL - 50 ng/μL (can be adjusted by dilution of sample)
- For fast separations of fragments in under 20 minutes

Plasmid DNA Analysis Kit, DNF-940

- Sizing Range: 2,000 bp - 10,000 bp
- Input Concentration Range: 0.1 ng/μL - 1.0 ng/μL (can be adjusted by dilution of sample)

CRISPR Mutation Kits

The kits below are optimized for detection of CRISPR/Cas9 gene editing events post-heteroduplexed amplicon cleavage. The Gel Kit is available in a 1,000 sample kit only.

CRISPR Discovery Gel Kit, 1 bp - 6,000 bp, DNF-910-K1000CP

- Markers at 1 bp and 6,000 bp; fast running lower marker eliminates problems with primer dimers
- Input Concentration Range: 5 ng/μL - 100 ng/μL
- Gel formulation suited for a wide range of fragments

AccuCleave T7^{CE} Kit, DNF-440-1000CP

- Optimized heteroduplex cleavage assay using T7 Endonuclease I
- Use with the CRISPR Gel Discovery Kit

AccuCleave Control DNA, Kit DNF-443-002CP

- Contains two DNA controls for use with the AccuCleave T7^{CE} Kit
- 20 control reactions

TILLiNG / Mutation Discovery Kits

The kits below are used to detect point and other small mutations post-heteroduplexed amplicon cleavage using a double injection of sizing markers and sample. The Gel Kits are only available in 1,000 sample kits.

Mutation Discovery 910 Gel Kits, 35 bp - 5,000 bp, DNF-910-K1000T

- Sizing Range: 35 bp - 5,000 bp (defined by lower/upper marker)
- Input Concentration Range: 5 ng/μL - 100 ng/μL
- Gel formulation best suited for fragments under 1,000 bp

Mutation Discovery 920 Gel Kit, 35 bp - 5,000 bp, DNF-920-K1000T

- Sizing Range: 35 bp - 5,000 bp (defined by lower/upper marker)
- Input Concentration Range: 5 ng/μL - 100 ng/μL
- Gel formulation provides enhanced resolution from 1,000 bp to 3,000 bp

dsDNA Cleavage Kit, DNF-480-3000

- Buffer and enzyme to cleave heteroduplex DNA
- Kit contains enough materials to process 3,000 samples
- Use with DNF-910-K1000T and DNF-920-K1000T

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