

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/μL - 100 ng/μL

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/μL - 5,000 pg/μL

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

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

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/μL - 5,000 pg/μL
- 500 Sample Kit Only

Standard Sensitivity Large Fragment Analysis Kit, DNF-492

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

High Sensitivity Large Fragment Analysis Kit, DNF-493

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

Genomic DNA Analysis

Genomic DNA 50 Kb Analysis Kit, DNF-467

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

High Sensitivity Genomic DNA Analysis Kit, DNF-488

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



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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