

ANALYSIS KITS

Fragment Analyzer™ Automated CE System

DNA and RNA Kits

Quantitative Kits

These kits are for sizing and quantitative analysis, using internal standards for accurate quantification. For all kits, a 500 sample and a 1,000 sample kit size can be purchased.

DNA/NGS Fragment Analysis

Standard Sensitivity NGS Fragment Analysis Kit, [DNF-479](#)

- a. Sizing Range: 50 bp – 5,000 bp
- b. Input Concentration Range: 5 ng/μL – 100 ng/μL

High Sensitivity NGS Fragment Analysis Kit, [DNF-486](#)

- a. Sizing Range: 50 bp – 5,000 bp
- b. Input Concentration Range: 50 pg/μL – 5,000 pg/μL

Large Fragment Analysis

Standard Sensitivity Large Fragment Analysis Kit, [DNF-492](#)

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

High Sensitivity Large Fragment Analysis Kit, [DNF-493](#)

- a. Sizing Range: 50 bp – 20,000 bp
- b. Input Concentration Range: 50 pg/μL – 5,000 pg/μL

Genomic DNA Analysis

Standard Sensitivity Genomic DNA Analysis Kit, [DNF-487](#)

- a. Sizing Range: 50 bp – 40,000 bp
- b. Input Concentration Range: 5 ng/μL – 200 ng/μL gDNA concentration

High Sensitivity Genomic DNA Analysis Kit, [DNF-488](#)

- a. Sizing Range: 50 bp – 40,000 bp
- b. Input Concentration Range: 50 pg/μL – 5,000 pg/μL gDNA concentration

RNA Analysis

Standard Sensitivity RNA Analysis Kit, [DNF-489](#)

- a. For Total RNA Analysis
- b. Input Concentration Range: 5 ng/μL – 500 ng/μL RNA concentration

High Sensitivity RNA Analysis Kit, [DNF-491](#)

- a. For Total RNA or mRNA Analysis
- b. Total RNA Input Concentration Range: 50 pg/μL – 5,000 pg/μL
- c. mRNA Input Concentration Range: 250 pg/μL – 5,000 pg/μL

Note: NGS kits can be used for any dsDNA/PCR type sample, not just NGS smears. All kits use a standard input sample volume of 2 μL. The concentration range refers to the starting concentration of the sample, not the final diluted concentration.

Qualitative/Sizing Kits

Kits below are for sizing and qualitative analysis, using a double injection of sizing markers and sample. For most kits, a 500 sample and a 1,000 sample kit size can be purchased.

dsDNA Reagent Kit, 35 bp – 500 bp, *DNF-900*

- Sizing Range: 35 bp – 500 bp (defined by lower/upper marker)
- Input Concentration Range: 0.5 ng/μL – 50 ng/μL (can be adjusted by dilution of sample)

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

- Sizing Range: 35 bp – 1,500 bp (defined by lower/upper marker)
- Input Concentration Range: 0.5 ng/μL – 50 ng/μL (can be adjusted by dilution of sample)

dsDNA Reagent Kit, 35 bp – 5,000 bp, *DNF-910-15L80M*

- Sizing Range: 35 bp – 5,000 bp (defined by lower/upper marker)
- Input Concentration Range: 0.5 ng/μL – 50 ng/μL (can be adjusted by dilution of sample)

dsDNA Reagent Kit, 75 bp – 15,000 bp, *DNF-920*

- Sizing Range: 75 bp – 15,000 bp (defined by lower/upper marker)
- Input Concentration Range: 0.5 ng/μL – 50 ng/μL (can be adjusted by dilution of sample)

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

- Sizing Range: 75 bp – 20,000 bp (defined by lower/upper marker)
- Input Concentration Range: 0.5 ng/μL – 50 ng/μL (can be adjusted by dilution of sample)

Mutation Discovery Kits

Kits below are used to detect point and other small mutations from amplified DNA fragments using a double injection of sizing markers and sample. The gel kits are only available in the 1,000 sample kit size.

Mutation Discovery 910 Gel Kit, 35 bp – 5,000 bp, *DNF-910-1000T*

- 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-920-1000T*

- 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

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