

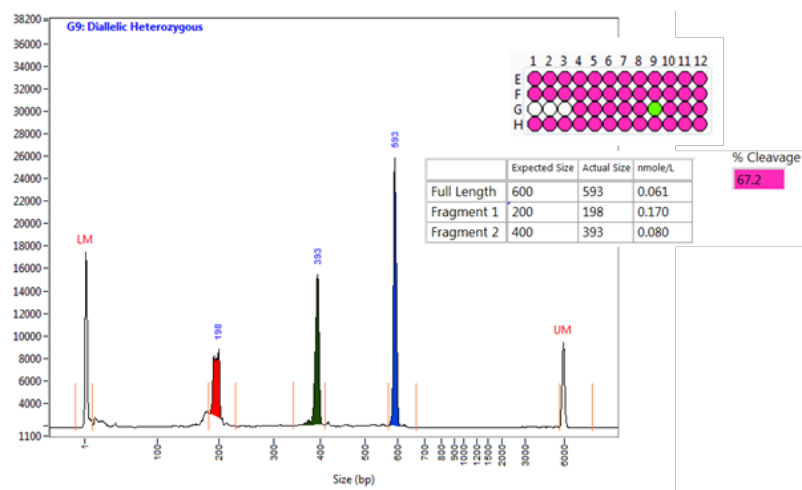
AccuCleave™ CE

Quick and Accurate Detection of CRISPR Mutations

Streamline your CRISPR workflow by incorporating a simple and accurate screening protocol for gene editing events. The **AccuCleave^{CE} Kits** allow the efficient and accurate detection of gene editing events on the Fragment Analyzer™ Automated CE System. With the power of CE, ensure that only positive clones are sent for NGS or Sanger sequencing, saving time and costs.

AccuCleave T7^{CE} (DNF-440-1000CP)

The **AccuCleave T7^{CE} Kit** is a T7 endonuclease-based, optimized heteroduplex cleavage assay that efficiently identifies and cleaves base pair mismatches. Assay results are easily quantified using the CRISPR Discovery Gel Kit (DNF-910CP) for the Fragment Analyzer and Software Plugin for *PROSize*® Data Analysis Software.

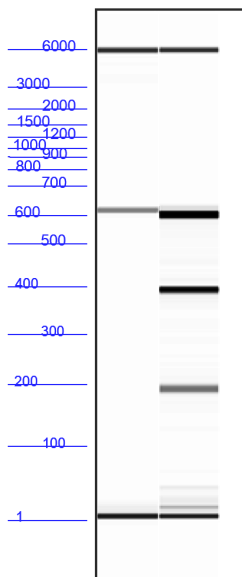


- Visualize results on the Fragment Analyzer with the CRISPR Discovery Gel Kit (DNF-910CP).
- Determine mutation frequency.
- Approximate zygosity of positive clones.

Positive clone from a CRISPR gene editing workflow shown above. Visualization of AccuCleave T7^{CE} assay was performed using the CRISPR Gel Discovery Kit (DNF-910-1000CP) on the Fragment Analyzer™ Automated CE System. PROSize® Data Analysis Software was used to determine percent cleaved and zygosity.

AccuCleave C2 Control DNA Kit

(DNF-443-0002CP)



Designed for use with the AccuCleave T7^{CE} Kit, the **AccuCleave C2 Control DNA Kit** provides researchers with a positive and a negative control for easy assay validation and optimization.

Kit Includes:

- WT Control
- - 2 bp InDel
- Primer Set 1

Example separations of the included controls are shown in the digital gel image to the left. The WT Control (left lane) and the -2 bp Control (right lane) were separated after digestion using the CRISPR Discovery Gel Kit (DNF-910-1000CP) on a Fragment Analyzer equipped with a Short Capillary Array (33-55).

Fragment Analyzer

The Fragment Analyzer™ Automated CE System offers researchers the ability to qualify and quantify nucleic acid samples quickly and reliably through parallel capillary electrophoresis. It was designed to solve laboratory bottlenecks and quicken the time to results through:

Variable Throughput - scalable array with 12, 48, or 96 capillaries

High Separation Resolution - achieve as low as 3 bp resolution

High Sensitivity - detection limits as low as 5 pg/μL for DNA fragments



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