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Asuragen®

Accurate *C9orf72* Analysis Made Easier

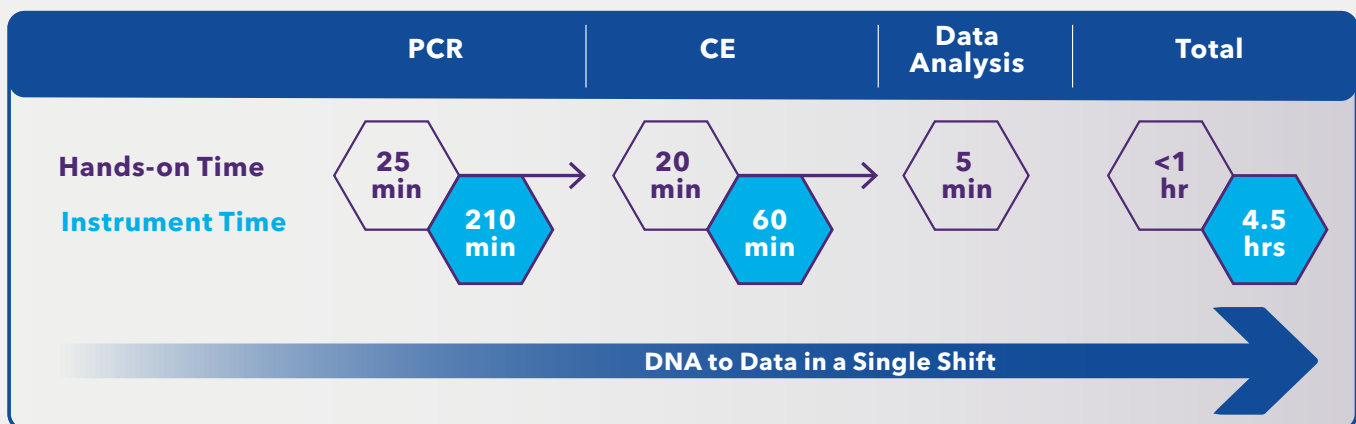
A better understanding of hexanucleotide repeat expansions in the *C9orf72* gene requires a robust PCR amplification assay. The AmplideX® PCR/CE *C9orf72* Kit is a research tool for the reliable amplification of pathogenic hexanucleotide repeats (GGGGCC) in the *C9orf72* gene that are associated with amyotrophic lateral sclerosis (ALS) and frontotemporal dementia (FTD). Proprietary GC-rich PCR chemistry provides simple and accurate profiling of *C9orf72* repeat sequences.

Simple Workflow

- Single PCR reaction for both sizing and screening
- A single-sourced kit consisting of all PCR reagents needed for *C9orf72* repeat amplification
- Streamlined workflow and automated software reduces hands-on time
- Eliminates need for Southern blot analysis

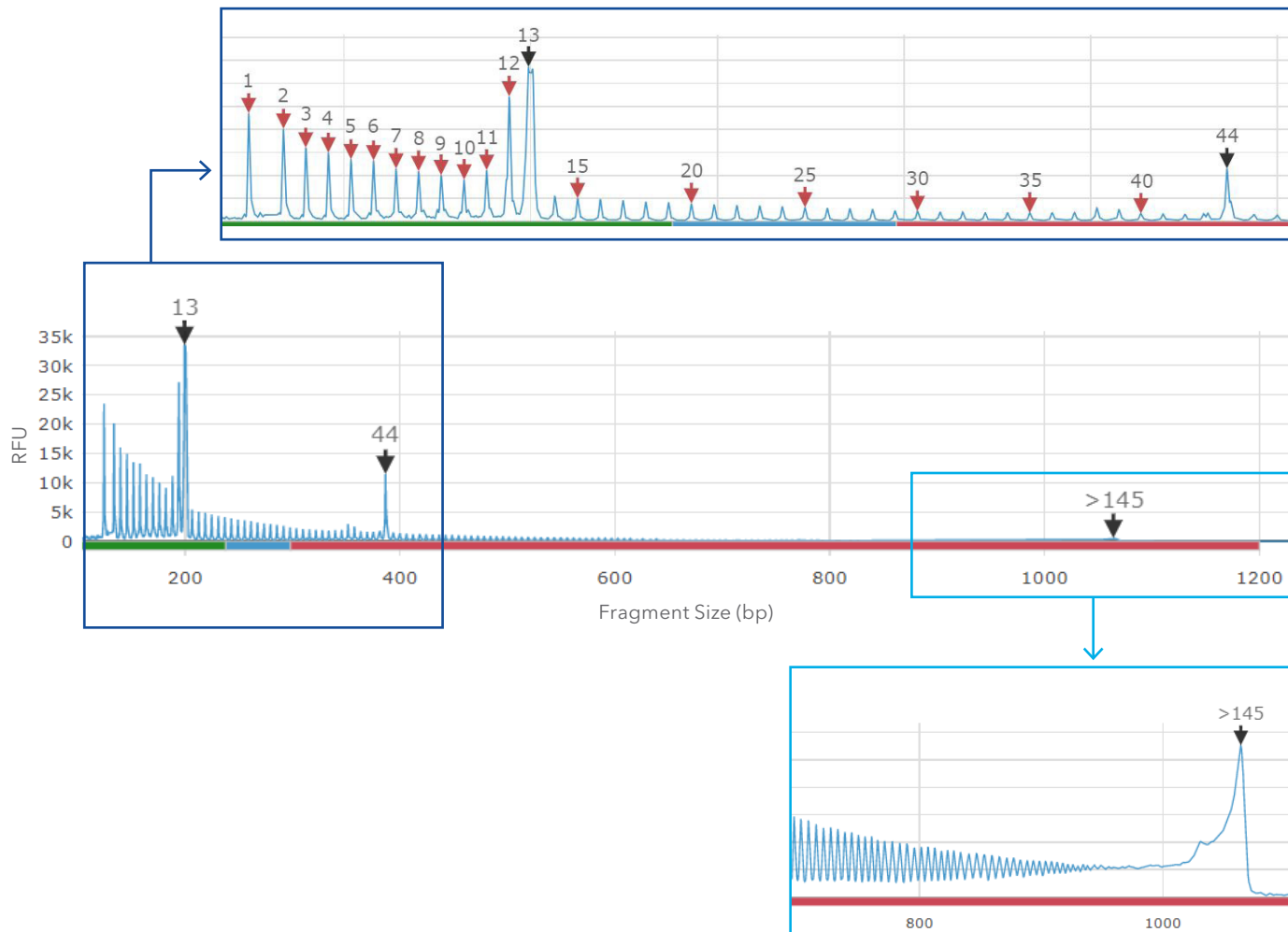
Improved Performance

- Accurate sizing up to 145 repeats
- Detects alleles greater than 145 repeats
- Reveals low-level mosaicism and minor alleles
- Identifies sequence variability near the repeat region
- Clear zygosity resolution through distinct repeat-primed pattern



Accurate sizing up to 145 repeats, Reliable Detection of Expanded Alleles and Low Level Mosaics

The assay correctly sizes a primary allele at 13 repeats and a minor allele at 44 repeats while still flagging this sample as containing an expanded allele. Alleles above 145 repeats are amplified and detected as expanded, as shown by the zoomed in trace of Coriell cell line ND06769.



Ordering Information

Part Number	Product Description	Number of Reactions
49581	AmpliDeX® PCR/CE C9orf72 Kit*	50

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2000-0289 Rev 2

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