

# AmplideX<sup>®</sup>

## PCR/CE *SMN1/2* Plus Kit\*



### *SMN1* and *SMN2* copy number, silent carrier, and disease modifier genotyping - in less than four hours

Copy number variations in *SMN1* and *SMN2* are associated with the onset and severity of spinal muscular atrophy (SMA), but recent studies have demonstrated that carrier risk and disease severity may also be impacted by the presence of *SMN1* gene duplication variants and a disease modifier variant in *SMN2*, respectively. The AmplideX<sup>®</sup> PCR/CE *SMN1/2* Plus Kit\* delivers comprehensive results for *SMN1* and *SMN2*, including accurate quantification of exon 7 copy number plus detection of relevant variants and gene hybrids, from a single reaction in less than four hours.

#### REDUCED COMPLEXITY

- Detection of relevant alterations in a single trace
- AmplideX Reporter Software automates calling and analysis
- Complete kit includes all reagents

#### OPTIMIZED WORKFLOW

- <4 hrs from DNA to data
- Flexible use on widely installed CE equipment
- Common workflow with AmplideX PCR/CE *FMR1*\* and *CFTR*\* assays eases implementation and training

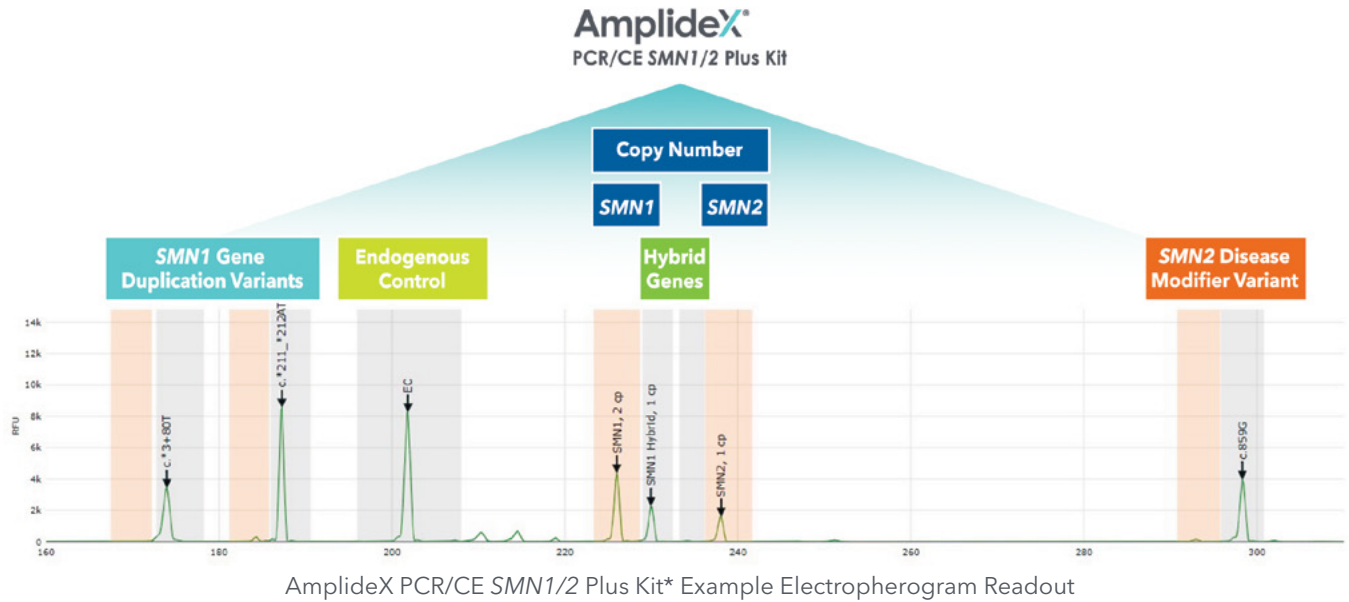
#### QUALITY RESULTS

- High concordance with multiple reference methods
- Differentiates between 0, 1, 2, 3 and  $\geq 4$  copies for both *SMN1* and *SMN2*
- Robust performance across extraction methods

#### Amplidex PCR/CE *SMN1/2* Plus Kit\* Workflow - <4 hrs from DNA to Data



# A COMPLETE PICTURE FROM A SINGLE TRACE



## RELIABLE PERFORMANCE<sup>†</sup>

Excellent Concordance in Independent, Multisite Testing of >460 Samples

**>98%** Copy number, variant, and gene hybrid detection concordance with multiple reference methods (MLPA, ddPCR, Sanger Seq)

**100%** Agreement for all 3 variants  
**100%** Concordance of gene conversions with Sanger sequencing

High Intralaboratory Precision

**>99%** Agreement across multiple operators and runs

Robust Performance Across Extraction Methods

**>98%** Copy number agreement with reference methods, regardless of purification methods

## ORDERING INFORMATION

Part Number	Product Description	Number of Reactions
A00050	AmplideX <sup>®</sup> PCR/CE SMN1/2 Plus Kit*	50
A00054	AmplideX <sup>®</sup> PCR/CE SMN1/2 Plus Kit*	100

For more information, please visit [asuragen.com](http://asuragen.com)

\*For Research Use Only. Not for use in diagnostic procedures.  
†Milligan JN, et al. J Mol Diagn. 2021.