AmplideX®
SMA 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® SMA 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

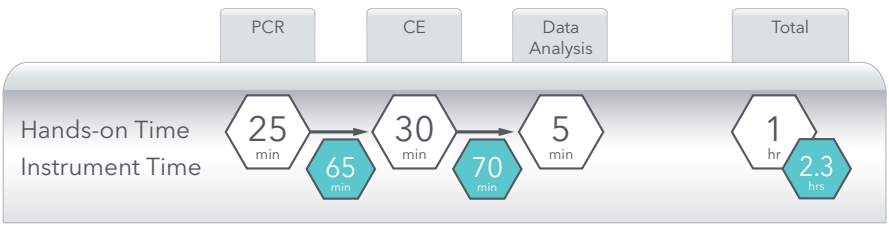
OPTIMIZED WORKFLOW

- <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 ≥4 copies for both *SMN1* and *SMN2*
- Robust performance across extraction methods

Amplidex SMA Plus Kit* Workflow - <4 hrs from DNA to Data



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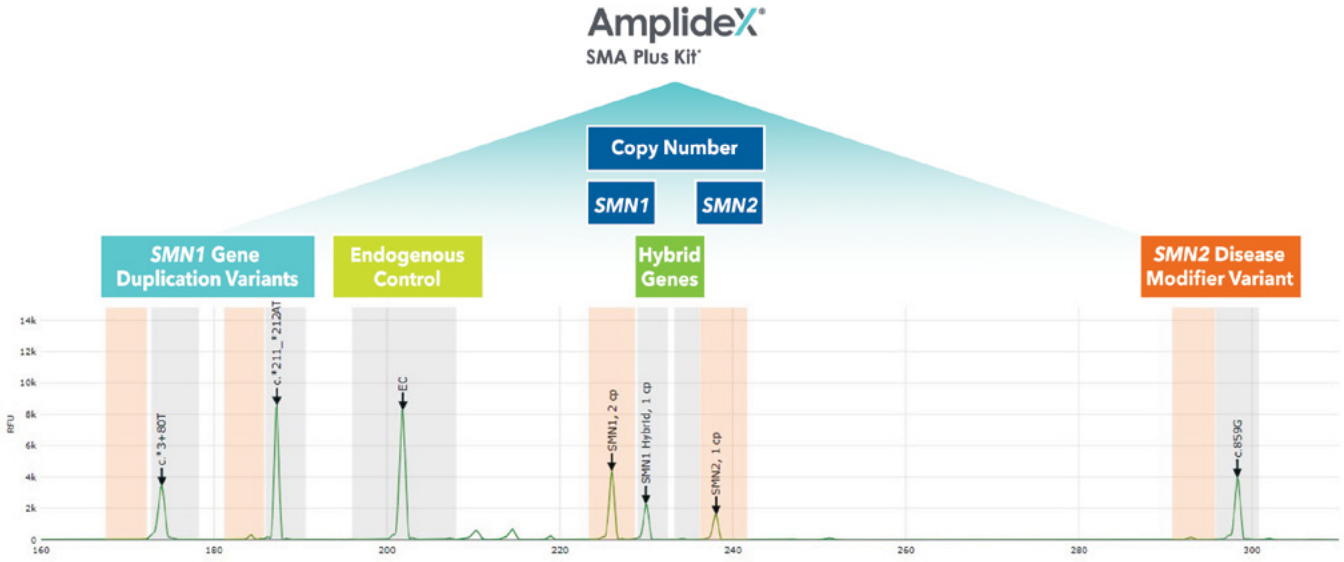
A COMPLETE PICTURE FROM A SINGLE TRACE



AmplideX SMA Plus Kit* Example Electropherogram Readout

RELIABLE PERFORMANCE†

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
A00055	AmplideX® SMA Plus Kit*	50
A00056	AmplideX® SMA Plus Kit*	100

For more information, please visit asuragen.com

*CE-IVD for U.S. Export Only.
†Milligan JN, et al. J Mol Diagn. 2021.

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Asuragen, Inc.
2150 Woodward Street, Suite 100
Austin TX 78744
www.asuragen.com

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