

# AmplideX<sup>®</sup>

## PCR/CE SMN1/2 Kit\*

### Determine *SMN1* and *SMN2* copy number in a single reaction in less than four hours

The AmplideX PCR/CE *SMN1/2* Kit\* provides a simple, sensitive, and accurate assessment of *SMN1* and *SMN2* exon 7 copy number. It is optimized for use on widely established CE systems, requires minimal hands-on time, and involves just a single PCR reaction.

#### REDUCED COMPLEXITY

- Similar workflow to AmplideX PCR/CE *FMR1*\*† and *HTT*\* kits eases implementation and training.
- Scalable design enables high-throughput testing.
- Automated copy number reporting streamlines data analysis.

#### OPTIMIZED WORKFLOW

- A simplified workflow with fewer hands on steps and no overnight hybridization.
- Fully kitted solution with fewer incoming QC steps.
- DNA-to-data in less than four hours with only 50 minutes of hands-on-time.

#### QUALITY PERFORMANCE

- Ability to differentiate between 0, 1, 2, 3 and  $\geq 4$  copies for both *SMN1* and *SMN2*.
- High specificity for both *SMN1* and *SMN2* ensures reliable results.
- Accurate copy number resolution demonstrated through comparisons with multiple orthogonal methods.

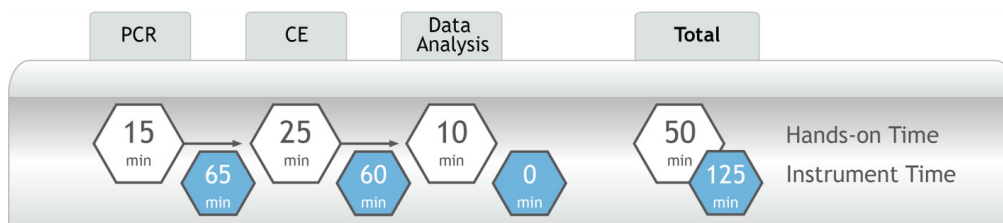



Figure 1. AmplideX PCR/CE *SMN1/2* Kit\* Workflow



**Asuragen®**  
**AmplideX®**  
**PCR/CE SMN1/2 Kit\***

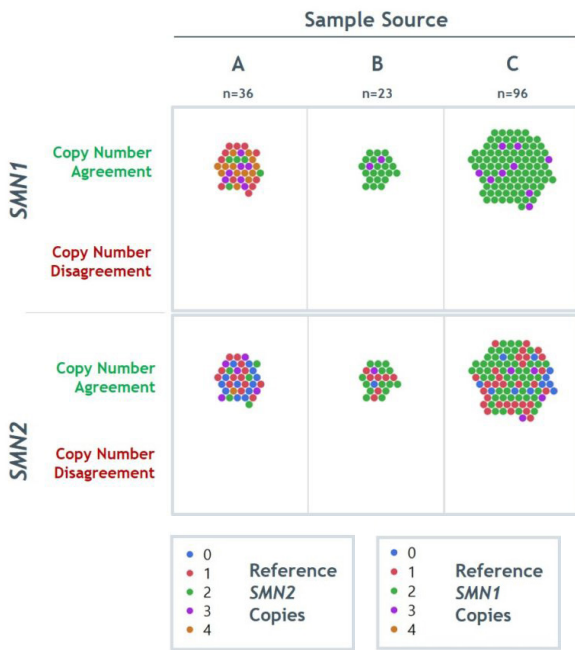


Figure 2. Clinical samples tested with the AmplideX PCR/CE SMN1/2 Kit have 100% agreement with previous characterization methods.

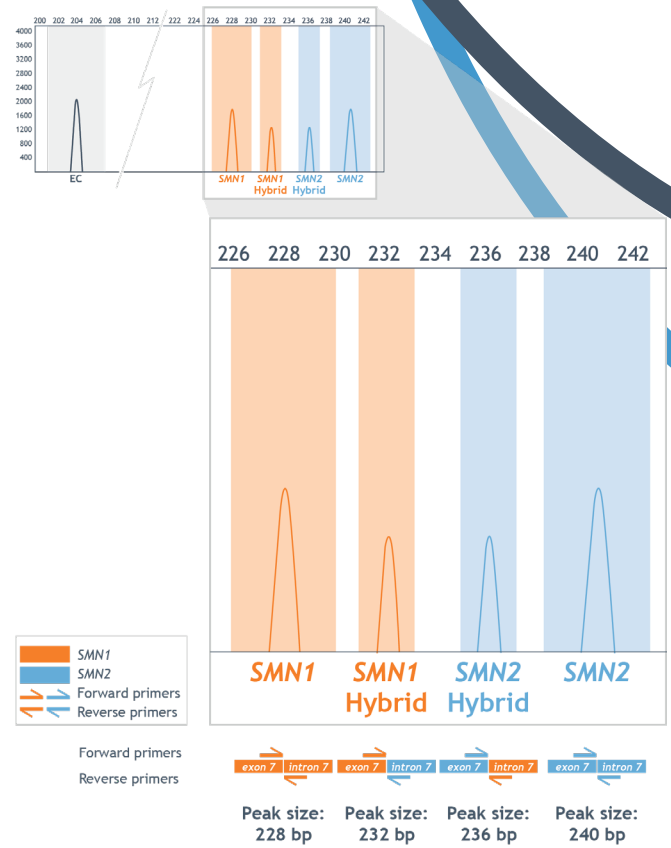


Figure 3. Detection and differentiation of SMN1 and SMN2 hybrid peaks.

KIT ORDERING INFORMATION	
AmplideX PCR/CE SMN1/2 Kit*	50 reactions [P/N: A00001]

KIT COMPONENTS	
2X PCR Mix	SMN Control
SMN1/2 HEX Primer Mix	Diluent
SMN Calibrator	ROX 1000 Size

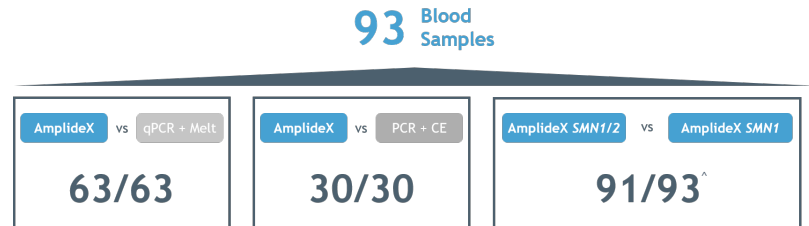


Figure 4. Excellent concordance of results between AmplideX and other methods in well-characterized clinical samples.

\* For Research Use Only. Not for use in Diagnostic procedures.

† CE-IVD for US Export Only.

<sup>^</sup> Two Samples exhibited SMN2-to-SMN1 conversions that were not detected by the AmplideX PCR/CE SMN1 Kit, consistent with kit limitations.