

AmplideX[®]

PCR/CE SMN1/2 Plus Kit*



When determining *SMN1* and *SMN2* copy number isn't enough

The AmplideX[®] PCR/CE *SMN1/2* Plus Kit* is a powerful clinical research tool for the thorough analysis of the *SMN1* and *SMN2* genes in less than four hours. Powered by AmplideX technology, the assay determines *SMN1* and *SMN2* exon 7 copy number, as well as variants associated with both *SMN1* gene duplication and a *SMN2* disease modifier. The assay has a simple and streamlined workflow and is optimized for use on widely established laboratory equipment.

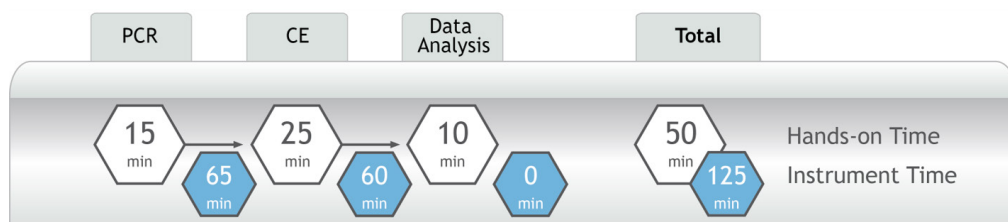


Figure 1. AmplideX PCR/CE *SMN1/2* Plus Kit* Workflow

AmplideX[®]

PCR/CE SMN1/2 Plus Kit*

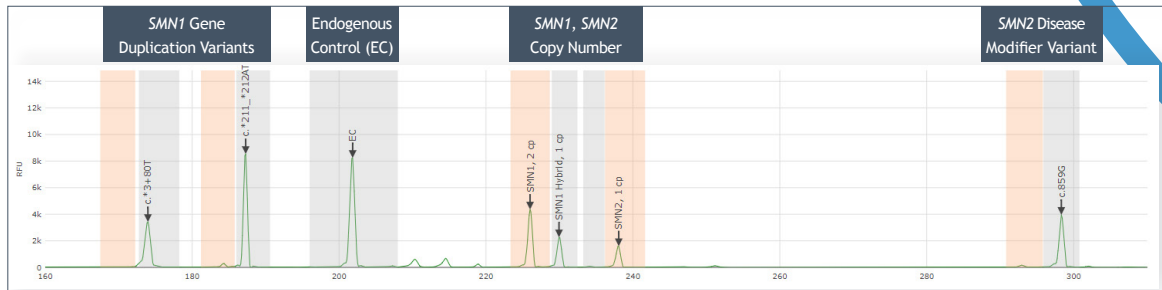


Figure 2.
AmplideX[®] PCR/CE SMN1/2 Plus*
Example Electropherogram Output

	SMN1 Copy Number	SMN2 Copy Number	SMN1/2 Hybrid Peak	SMN1 Gene Duplication	SMN2 Disease Modifier
AmplideX PCR/CE SMN1 Kit**	X				
AmplideX PCR/CE SMN1/2 Kit**	X	X	X		
AmplideX PCR/CE SMN1/2 Plus Kit*	X	X	X	X	X

Table 1. Comparison of AmplideX PCR/CE SMN1**, SMN1/2**, and SMN1/2 Plus* Kits

Assay Metric	Description
Assay Format	<ul style="list-style-type: none"> SMN1/SMN2 copy number quantification and SNP detection multiplexed in a single PCR reaction Similar workflow to AmplideX PCR/CE kits (FMR1**, SMN1**) Calibrator and control included
Output	<ul style="list-style-type: none"> Large dynamic range (0,1,2,3, ≥4) for accurate copy number resolution for SMN1 and SMN2 Gene Duplication Variants: c.*3+80T>G and c.*211_212del Disease Modifier Variant: c.859G>C Automated, push-button data reporting via AmplideX Reporter software
Sample Types	Blood
Number of Reactions	50,100
Turnaround Time	Less than 4 hours
System Compatibility	Applied Biosystems™ Genetic Analyzers
Availability	Q4 2019
Catalogue Number	50 Reaction Kit: A00050 100 Reaction Kit: A00054

Table 2. AmplideX PCR/CE SMN1/2 Plus Kit* Target Product Specifications

*Product in development. Specifications not finalized.

**For Research Use Only. Not for use in diagnostic procedures.



www.rafer.es