

AmplideX[®]

PCR/CE SMN1 Kit*

Accurate SMN1 Exon 7 Copy Number Assessment in as Few as Four Hours

The AmplideX[®] PCR/CE SMN1 Kit* extends the simplicity and performance benefits of AmplideX technology to copy number determination, enabling the quantification of SMN1 gene copies in as few as four hours via a simple, scalable, and streamlined workflow. The assay, which is optimized for use on widely established CE systems and requires minimal hands-on time, provides an easy-to-implement SMN1 exon 7 copy number assay for all laboratories.

REDUCED COMPLEXITY

- Similar workflow to the AmplideX *FMR1*[†] assay eases implementation and testing
- Scalable design allows for high-throughput testing
- Automated analysis objectively reports copy number

OPTIMIZED WORKFLOW

- A simplified workflow compared to alternative methods
- Fully kitted solutions with fewer QC and pipetting steps
- DNA to data in as few as four hours with only 45 minutes of hands-on-time

QUALITY PERFORMANCE

- Ability to differentiate between 0, 1, 2, 3 and >3 copies
- Robust, reliable results with non-overlapping ratios for each copy number output
- Concordance with previously characterized samples



Figure 1 AmplideX PCR/CE SMN1 Workflow


Asuragen[®]

† CE-IVD for US export only.

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

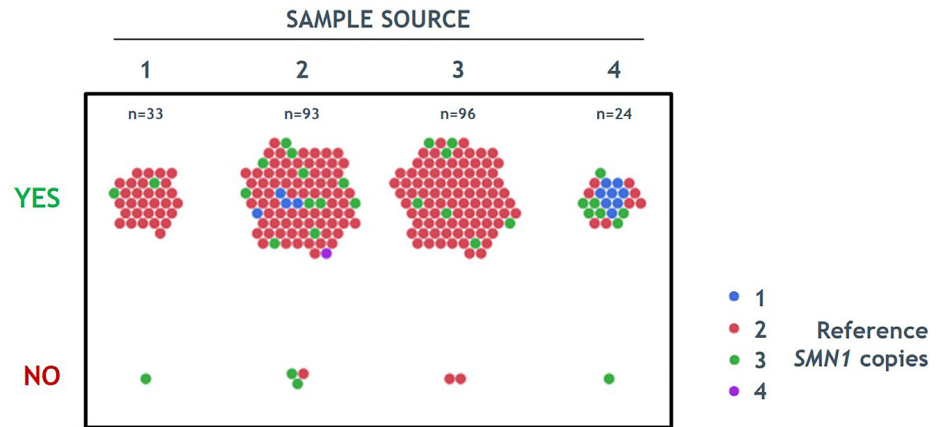


Figure 2
Excellent concordance with previously characterized clinical samples

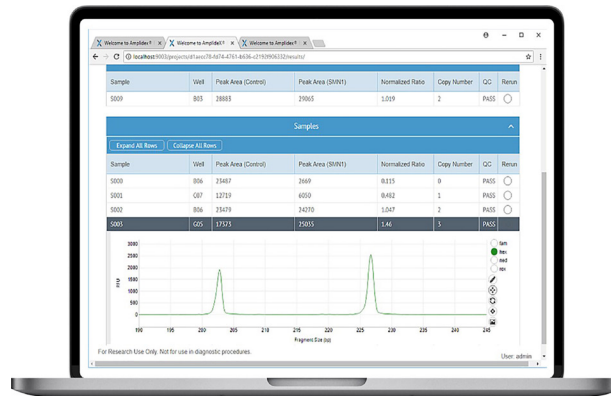
53 samples
blood and buccal

Figure 3
Consistent results compared to other commercially available methods



* One sample was concordant between Asuragen and qPCR+Melt (3 SMN1 copies) but discordant with PCR + CE (>3 SMN1 copies) and hence called discordant overall

Figure 4
Automated results reporting via AmplideX Reporter software



- Push-button copy number reporting
- Objective sample QC assessment
- Raw data and sample peak visualization

Product	Material Number	Reactions/Kit
AmplideX [®] PCR/CE SMN1 Kit* (RUO)	49660	96
AmplideX [®] PCR/CE SMN1/2 Kit** (RUO)	TBD	96

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

**Product in development. Specifications not finalized.

2000-041