

AmplideX[®] TRIO

ANALYZE 3 COMMON GENETIC TARGETS WITH 1 STREAMLINED PCR/CE WORKFLOW

The AmplideX[®] TRIO brings the simplicity and scalability of AmplideX technology to *CFTR*, *SMN1/2*, and *FMR1* analysis. This workflow is optimized for use on widely established laboratory equipment and delivers genotype results from DNA in under 1 day.

SIMPLIFIED TESTING FOR THREE COMMON GENETIC TARGETS

<i>FMR1</i>	PCR/CE
<i>SMN1/2</i>	MLPA
<i>CFTR</i>	NGS or Bead Hybridization

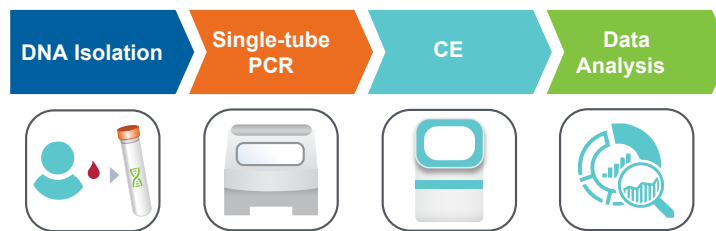
AmplideX[®] TRIO

AmplideX[®] PCR/CE *CFTR* Kit* AmplideX[®] PCR/CE *SMN1/2* Plus Kit* AmplideX[®] PCR/CE *FMR1* Reagents*

- 3 separate workflows
- Different systems, software & vendors
- Longer turnaround times

- 1 common PCR/CE workflow
- 1 software system
- 1 day from DNA to data

ONE STREAMLINED PCR/CE WORKFLOW



DNA to data in a single shift

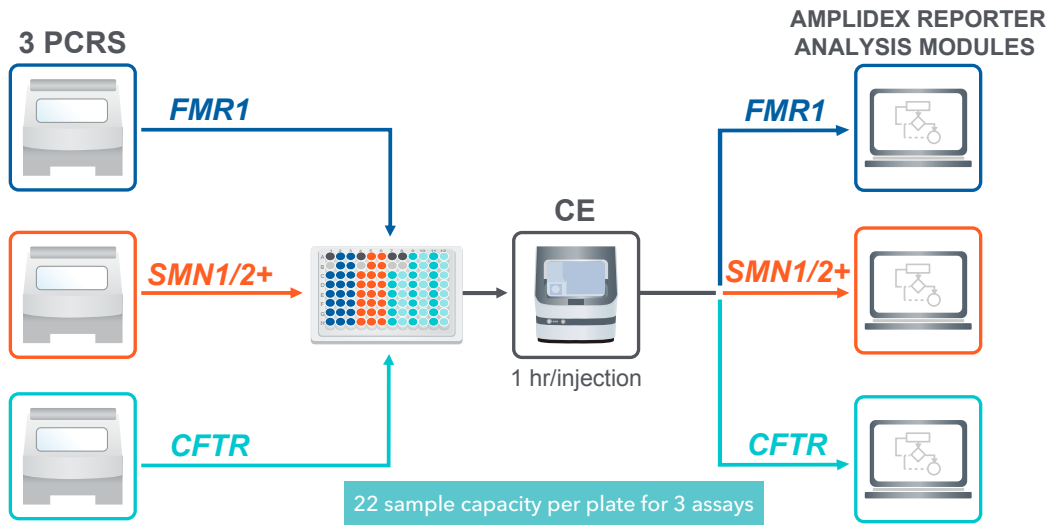
FMR1
Hands-on Time: <1 hr
Total Time: < 6 hr

***SMN1/2* Plus**
Hands-on Time: 1 hr
Total Time: < 4 hr

CFTR
Hands-on Time: <1 hr
Total Time: < 5 hr

<1 day from DNA to data

EFFICIENTLY ANALYZE THREE TARGETS USING PCR & CE



SIMPLIFIED DATA REPORTING WITH AUTOMATED ANALYSIS MODULES

Amplidex® PCR/CE Reporter—Single platform with 3 analysis modules

- Batch-level QC and run metrics
- Project management function
- Export results in PDF and LIMS-compatible formats (Excel/CSV)
- Easily accessible for reviewers

Amplidex® PCR/CE FMR1 Reagents*

Automated peak calling, including low level mosaics

Amplidex® PCR/CE SMN1/2 Plus Kit*

Automated SMN1 & SMN2 copy number, relevant variants and gene hybrid detection

Amplidex® PCR/CE CFTR Kit*

Automated variant calling and genotyping

SIMPLIFIED DATA REPORTING WITH AUTOMATED ANALYSIS MODULES

Reduced Complexity

- Providing relevant genetic information for three common carrier screening targets with PCR & CE
- Single-source vendor for full assay systems
- Amplidex Reporter software modules automate analysis



Optimized Workflow

- <1 day from DNA to data for Amplidex CFTR*, SMN1/2 Plus* and FMR1* assays
- Efficient, complementary workflows eases implementation and continued use
- Flexible use on widely installed CE equipment



Quality Results

- CFTR kit* designed to provide the broadest coverage† of the U.S. population
- SMN1/2 Plus kit* reliably detects SMN1/2 copy number & relevant variants
- FMR1 Reagents* has proven performance with data in >100 peer-reviewed publications



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

†Beauchamp, et al. Genet Med. 2019 Nov;21(11):2569-2576.



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