

SMN1 Exon 7/8 Deletion Screening Kit

- Designed for rapid and cost-effective deletion analysis of the SMN1 gene (Exons 7 and 8).
- Ensures accurate results using TaqMan probe-based CNV analysis and the comparative Ct method.
- Offers automated data analysis on the Bio-Rad CFX96 instrument.

CE-IVD

Real-time PCR



MULTIPLEX



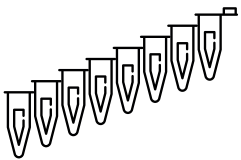
FAST



CNV

The geneMAP™ SMN1 Exon 7/8 Deletion Screening Kit is an in vitro nucleic acid amplification test designed to assist in the screening of spinal muscular atrophy (SMA) carriers and the diagnosis of SMA. SMA is a severe central nervous system disorder and a leading genetic cause of infant mortality. Most carriers possess only one copy of the SMN1 gene. Approximately 94% of SMA patients lack both copies of SMN1 Exons 7 and 8, which can be detected using standard molecular analyses. Due to the high carrier frequency in the population, carrier testing for SMA plays a crucial role in genetic counseling.

Simple real time - PCR Workflow



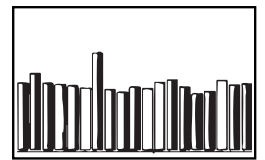
Sample preparation

Add DNA to the reaction mix



qPCR amplification

Multiplex qPCR using primers designed to amplify the DNA sequences specific to each SNP of interest



Data interpretation

SNPs are identified by allele-specific real time PCR.



Validated PCR Instruments

- Bio-Rad CFX96
- Life Technologies ABI-7500, QuantStudio Series
- BioMolecular Systems, MicPCR

Ordering Information

SMN1M-RT50 / SMN1M-RT500

SMN1 Exon 7/8 Deletion

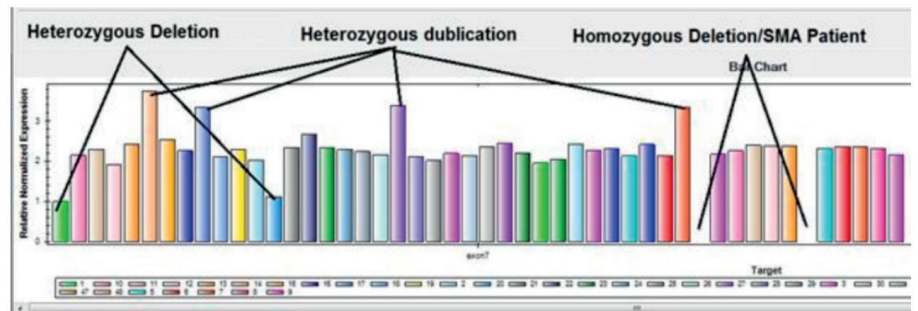
Screening Kit

50 tests **CE-IVD**

CE-IVD is available in the EU and countries outside EU accepting the CE-IVD certification.
Available as RUO in all other countries.

Technical Specifications

Intended to assist in the screening and diagnosis of spinal muscular atrophy (SMA) in both patients (homozygous) and carriers (heterozygous).



CONTENTS

VOLUME

4x Mutation Primer Probe Mix

250 µl

2x Real Time PCR Master Mix (UDG)

550 µl

Wildtype Control

50 µl

In GENMARK SAĞLIK URUNLERI, we aim to create the top quality, time and cost efficient, trust-worthy and user-friendly products. We specialize in in-vitro detection kit production and development which is used for the diagnosis and treatment monitoring of many diseases connected to genetics, oncology, microbiology and hematological oncology.