

# Spinal Muscular Atrophy (SMA) gDNA Reference Standard



Cover various types of CNV in family samples



SMA (Spinal Muscular Atrophy) gDNA Reference Standard contains different variations of SMN1 and SMN2 with copy numbers of 0, 1, 2, 3, 4, and 5. This product is intended as a quality reference material for translational and disease research testing to monitor library preparation, sequencing, and variant allele detection under a given set of bioinformatics pipeline parameters.

Product Name	Format	Specification	Buffer	Shelf Life	Quality Control
SMA gDNA Reference Standard	gDNA	30ng/ $\mu$ L, 1 $\mu$ g/ tube	Tris-EDTA, pH 8.0	36 months (2-8°C)	MLPA

## Key Features



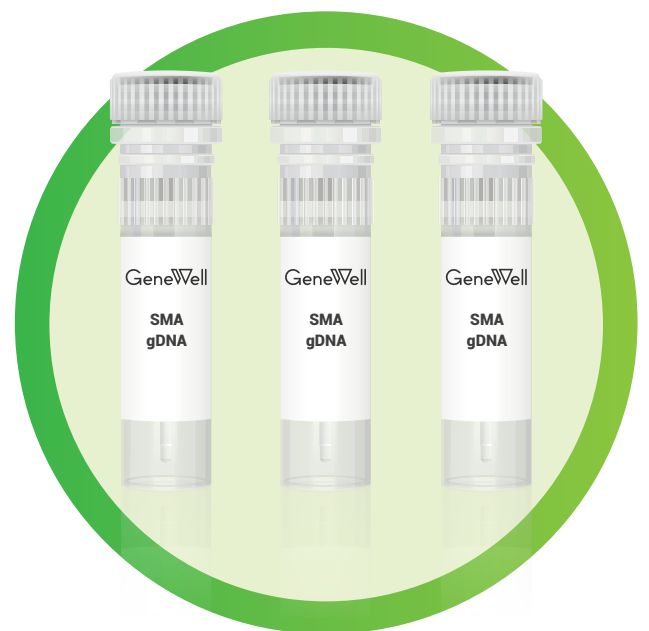
**Sample derived from human cell line**  
mimic patient samples



**Wide range of applications**  
NGS, MLPA and other PCR-based platforms



**Stable performance**  
SMN gene copy number by MLPA validation



## Application

Product development and registration certificate

Enterprise reference

Routine quality control

Internal quality and external quality control for clinical testing

Performance evaluation of assay kit

Kit performance evaluation

Methodological comparison

Comparison performance differences across platform

## Product List

Product Code	Product Name	Family Samples	Copy Number			
			SMN1 exon 7	SMN2 exon 7	SMN1 exon 8	SMN2 exon 8
IB-GW-HSF001	SMA gDNA Reference Standard I		0	3	0	3
IB-GW-HSF002	SMA gDNA Reference Standard II	Yes	1	5	1	5
IB-GW-HSF003	SMA gDNA Reference Standard III		1	1	1	1
IB-GW-HSF004	SMA gDNA Reference Standard IV		1	2	1	2
IB-GW-HSF005	SMA gDNA Reference Standard V	Yes	1	2	1	2
IB-GW-HSF006	SMA gDNA Reference Standard VI		0	2	0	2
IB-GW-HSF007	SMA gDNA Reference Standard VII		2	0	2	0
IB-GW-HSF008	SMA gDNA Reference Standard VIII	Yes	3	0	3	0
IB-GW-HSF009	SMA gDNA Reference Standard IX		3	1	2	2
IB-GW-HSF010	SMA gDNA Reference Standard X		1	4	1	4
IB-GW-HSF011	SMA gDNA Reference Standard XI		2	1	2	1
IB-GW-HSF012	SMA gDNA Reference Standard XII	No	4	0	4	0
IB-GW-HSF013	SMA gDNA Reference Standard XIII		4	1	5	0
IB-GW-HSF014	SMA gDNA Reference Standard XIV		2	2	2	2



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