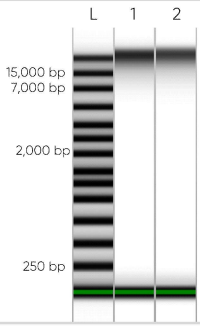
BATCH CERTIFICATE

For Research Use Only

PRODUCT INFORMATION AND QUALITY CONTROL

NAME OF PRODUCT	Methylated DNA (human)		
DESCRIPTION	Methylated DNA (human) consists of genomic DNA extracted from a proprietary human cell line, subsequently enzymatically CpG-methylated in vitro, resulting in ≥90 % genome-wide CpG methylation. It is part of the SID-000130 Methylation Reference Set (human, BDXXP4).		
CATALOG NUMBER	SID-000131		
BATCH NUMBER	**01108**		
MANUFACTURING CONDITIONS	· Manufactured and sealed in class II biological safety cabinet · Manufactured according to DIN EN ISO 13485:2016		
PACKAGE SIZE AND TYPE	· 2D barcoded tube with screw cap · Material: Polypropylene (PP)		
DATE OF MANUFACTURE	17.06.2026		
EXPIRY DATE	16.06.2027		
TARGET CONCENTRATION	20 ng/µl (dsDNA)		
TARGET QUANTITY	5.000 ng (dsDNA)		
NOMINAL VOLUME	250 µl		
GENOME-WIDE CpG METHYLATION	≥ 90 %		
METROLOGICAL TRACEABILITY	DNA quantity metrologically traceable to internationally certified reference material (ERM_AD442K).		
CERTIFICATION	Quality management system of SensID is certified according to DIN EN ISO 13485:2016, Registration-No.: SX 1652079-1, TÜV Rheinland®		
STORAGE CONDITIONS	- 20 °C		
MANUFACTURING SITE	SensID GmbH Schillingallee 68, 18057 Rostock, Germany		
TEST METHOD AND ACCEPTANCE CRITERIA	Quality control	Test method	Acceptance criteria
	Quality	Fragment length analysis: Agilent Tape Station Genomic DNA ScreenTape (Agilent Technologies)	Peak size: ≥ 20,000 bp
	Methylation-sensitive restriction	Fragment length analysis: Agilent Tape Station Genomic DNA ScreenTape (Agilent Technologies) before and after CpG-methylation-sensitive restriction (*Hpa* II)	Minimal digestion; fragment profile comparable to untreated DNA
	Quantification	dsDNA measurement: Qubit dsDNA BR Assay Kit (Invitrogen)	dsDNA: 20.0 ng/µl (17.5 – 22.5 ng/µl)
	Genome-wide CpG methylation	Genome-wide CpG methylation: enzymatic conversion-based methylation sequencing (Illumina short-read platform)*	Genome-wide CpG methylation: ≥ 90 %
	*Testing performed by an ISO/IEC 17025:2018 accredited third-party genetic sequencing provider.		

RESULTS OF ANALYSIS	Quality control	Result	PASS / FAIL
	Quality	55,397 bp	PASS
	Methylation-sensitive restriction		PASS
		L: Ladder; Lane 1: untreated DNA; Lane 2: *Hpa* II treated DNA	
	Quantification	19.1 ng/µl (dsDNA)	PASS
	Genome-wide CpG methylation	95.8 %	PASS
COMMENTS / REMARKS	not applicable		

Name and position/title of person authorising the batch release:

Björn Nowack, Managing Director

Date of batch release: 24.07.2026

Signature batch release: Björn Nowack

This document has been created electronically and is valid without signature.