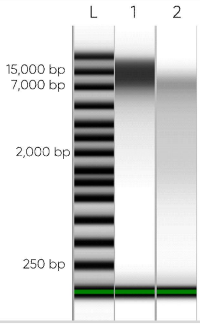
BATCH CERTIFICATE

For Research Use Only

PRODUCT INFORMATION AND QUALITY CONTROL

NAME OF PRODUCT	Unmethylated DNA (human)		
DESCRIPTION	Unmethylated DNA (human) consists of amplified DNA from freshly separated cells of a proprietary cell line (low-noise background, native matched) to obtain less than one percent genome-wide CpG methylation. It is part of SID-000130 Methylation Reference Set (human, BDXXP4).		
CATALOG NUMBER	SID-000133		
BATCH NUMBER	**01110**		
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	≤ 1.00 %		
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: ≥ 10,000 bp
	Methylation-sensitive restriction	Fragment length analysis: Agilent Tape Station Genomic DNA ScreenTape (Agilent Technologies) before and after CpG-methylation-sensitive restriction (*Hpa*II)	Extensive digestion; fragment profile low-molecular-weight smear
	Quantification	dsDNA measurement: Qubit dsDNA BR Assay Kit (Invitrogen)	dsDNA: 20.0 ng/µl (17.5 – 22.5 ng/µl)

TEST METHOD AND ACCEPTANCE CRITERIA	Genome-wide CpG methylation	Genome-wide CpG methylation: enzymatic conversion-based methylation sequencing (Illumina short-read platform)*	Genome-wide CpG methylation: ≤ 1.00 %
	*Testing performed by an ISO/IEC 17025:2018 accredited third-party genetic sequencing provider.		
RESULTS OF ANALYSIS	Quality control	Result	PASS / FAIL
	Quality	13,606 bp	PASS
	Methylation-sensitive restriction		PASS
		L: Ladder; Lane 1: untreated DNA; Lane 2: *Hpa* II treated DNA	
	Quantification	20.0 ng/µl (dsDNA)	PASS
	Genome-wide CpG methylation	0.31 %	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.