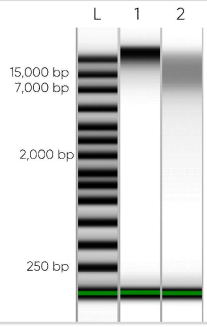
BATCH CERTIFICATE

For Research Use Only

PRODUCT INFORMATION AND QUALITY CONTROL

NAME OF PRODUCT	Native methylated, matched DNA (human)		
DESCRIPTION	Native methylated, matched DNA (human) consists of native methylated genomic DNA extracted from a proprietary human cell line matched to SID-000131 and SID-000133. It is part of SID-000130 Methylation Reference Set (human, BDXXP4).		
CATALOG NUMBER	SID-000132		
BATCH NUMBER	**01109**		
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	50 - 70 %		
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)	Partial digestion; shifted fragment profile
	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: 50 - 70 %
	*Testing performed by an ISO/IEC 17025:2018 accredited third-party genetic sequencing provider.		

RESULTS OF ANALYSIS	Quality control	Result	PASS / FAIL
	Quality	59,748 bp	PASS
	Methylation-sensitive restriction		PASS
		L: Ladder; Lane 1: untreated DNA; Lane 2: *Hpa* II treated DNA	
	Quantification	19.4 ng/µl (dsDNA)	PASS
	Genome-wide CpG methylation	58.1 %	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.