



Release Date Version / Index Print Date 19.03.2024 1 1 19.03.2024

BATCH CERTIFICATE

For Research Use Only

PRODUCT INFORMATION AND QUALITY CONTROL

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ıman DNA from					
SID-000148					
00674					
10 ng/µl (dsDNA)					
250 ng (dsDNA)					
25 μl					
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TEST METHOD AND ACCEPTANCE CRITERIA	Quality control	Test method			Acceptance criteria		
	Fragmentation	Fragment length analysis: Agilent D5000 ScreenTape System (Agilent Technologies)		Peak size: 167 bp ± 15% (142 bp – 192 bp)			
	Quantification	Total DNA measurement (ssDNA): Spectrophotometry**		Total DNA: not applicable			
	Quantimedition	dsDNA measurement: Qubit dsDNA BR Assay Kit (Invitrogen)			dsDNA: 10.0 ng/μl ± 15% (8.5 – 11.5 ng/μl)		
	**Protocol NK603 - Community Reference Laboratory for GM Food and Feed						
	Allele frequency	Allele frequency analysis: ddPCR (BioRad QX200™)		AF 1.00% ± 40% (0.60 – 1.40%)			
RESULTS OF ANALYSIS	Quality control	Result		PASS / FAIL			
	Fragmentation	170 bp			PASS		
	Quantification	26.5 ng/μl (total DNA) 10.4 ng/μl (dsDNA)		PASS			
	Allele frequency	Mutation		AF in %		PASS / FAIL	
		ESR1 p.E380Q	0.90		PASS		
		ESR1 p.S463P		0.97	PASS		
		ESR1 p.Y537N	1.21		PASS		
COMMENTS / REMARKS	Additional infor	nal information: Measurement of copy number					
MEASUREMENT OF COPY NUMBER	Mutation	ion		CN wt/ng		CN mut/ng	
	ESR1 p.E380Q		281.19			2.54	
	ESR1 p.S463P		347.54		3.42		
	ESR1 p.Y537N		344.70		4.23		
	wt: wildtype; mut: mutation						
	The table above indicates the values of the QC assays performed by SensID GmbH with a DNA input of 1 ng. The value for the respective mutation results from the mean value of QC samples according to ISO 2859-1:2014-08 (CN values are rounded). CN concentration values per nanogram (ng) are based on droplet digital (ddPCR) assay counts dilution factors, and droplet volume measurements. The detection of the amount of CNs may vary depending on the assay used. Therefore, due to assay properties, there may be deviations in the observed number of copies and allele frequencies compared to the values given here.						

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Date of batch release: 12.03.2024

Signature batch release: Björn Nowack

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