

## Batch Certificate For Research Use Only

PRODUCT INFORMATION AND QUALITY CONTROL				
NAME OF PRODUCT	EGFR-Multiplex 5% AF cfDNA in Plasma			
DESCRIPTION	Human proteins in common plasma concentrations, electrolytes,			
	EDTA, cfDNA / ctDNA in common plasma concentrations			
CATALOG NUMBER	SID-000018			
BATCH NUMBER	00035			
MANUFACTURING	Manufactured and sealed in class 2 safety cabinet			
CONDITIONS	At room temperature			
PACKAGE SIZE AND	2D barcoded tube with screw cap			
TYPE	Material: Polypropylen (PP)			
DATE OF MANUFACTURE	08.01.2020			
EXPIRY DATE	07.01.2021			
CONCENTRATION	80 ng/ml (ds DNA)			
QUANTITY	400 ng (ds DNA)			
NOMINAL VOLUME	14.9 μl in 5 ml plasma			
MUTATION	p.G719S (COSM6252*, COSV51767289*, substitution, c.2155G>A, Exon 18)			
	p.E746_A750delELREA (COSM6225*, COSV51765066*, deletion, c.2236_2250del15, Exon 19)			
	p.S752_I759delSPKANKEI (COSM6256*, COSV51774879*, deletion, c.2254_2277del24, Exon 19)			
	p.\$768I (COSM6241*, COSV51768106* substitution, c.2303G>T, Exon 20)			
	p.V769_D770insASV (COSM20884*, COSV51850427* Insertion,			
	c.2303_2304insTGTGGCCAG, Exon 20)			
	p.T790M (COSM6240*, COSV51765492*, substitution, c.2369C>T, Exon 20)			
	p.L858R (COSM6224*, COSV51765161*, substitution, c.2573T>G, Exon 21)			
	p.L861Q (COSM6213*, COSV51766344*, substitution, c.2582T>A, Exon 21) * GRCh38 COSMIC v90			
ALLELIC FREQUENCY	0.1%			
QUALITY	DNA quantity metrological traceable to internationally certified reference material <sup>1</sup>			
	The copy number values are metrologically traceable to the			
	natural units count 1 and ratio 1 and International System of Units			
	(SI) derived units of volume.			
STORAGE CONDITIONS	+ 2-8 °C			



MANUFACTURING AND	SensID GmbH				
QUALITY CONTROL	Schillingallee 68, 18057 Rostock, Germany				
SITES					
TEST METHOD AND	Quality Control	Test Method		Acceptance	
ACCEPTANCE CRITERIA				criteria	
		Fragment Length Analysis	2	peak	size 167 bp
	Fragmentation	Agilent High Sensitivity DN	A Kit	± 10%	
		(Agilent Technologies)		(151 bp	(151 bp – 181 bp)
		Total DNA measurement:		ssDNA	Ą:
		Spectrophotometry	n.a. <sup>4</sup>		
	Quantification	$ssDNA [ng/\mu I] = (A260-$			
		A320)*38 <sup>2,3</sup>	b:+	dsDNA: n.a. <sup>4</sup>	
		dsDNA measurement <sup>2</sup> : Qu			
		dsDNA BR Assay Kit (Invitro	Jgen)		+70%
	Allelic Frequency	dPCR Analysis² using BioRad QX200™ System		AF 5% ±30% (3.5-6.5%)	
RESULTS OF ANALYSIS	Trequency			(5.5 0	.5%)
RESOLTS OF ANALTSIS		Result			PASS/FAIL
	Fragmentation	181 bp			PASS
	Quantity	29.1 ng/µl (total DNA)			
	Quantity	26.8 ng/µl (dsDNA)			
		Mutation L858R	AF i		
		L858R L861Q	4, 4,	,9	PASS
	Allelic	S768I E746_A750delELREA	5, 3,		
	Frequency	T790M	3,	,8	
		G719S V769 D770insASV	4, 4,		
		S752_I759delSPANKEI	3,		
COMMENTS/REMARKS	Additional inform				
	Copy numbers (CN) of the respective measurements				
	Table 1 indicates the values of the QC assays performed by SensID GmbH with an DNA input of ~40 ng. The value for the respective mutation results from the mean value of three				
	measured replicates (CN values are rounded). CN concentration values per microliter ( $\mu$ l), are based on droplet digital (ddPCR) assay counts dilution factors, and droplet volume				
		etection of the amount of CNs may v			

<sup>2</sup> Measured before spiking in <sup>3</sup> Protocol NK603 – Community Reference Laboratory for GM Food and Feed <sup>4</sup>not applicable **Phone:** +49 (0) 381 377 182 01 **Net:** <u>www.sens-id</u>

Net: <u>www.sens-id.com</u> SensID GmbH, Schillingallee 68, 18057 Rostock, Germany



Therefore, due to assay properties, there may be deviations in the observed number of copies and allele frequencies compared to the values given here.

Mutation	CN wt⁵/µl	CN mut⁰/µl	
L858R	4584	203	
L861Q	5440	283	
S768I	4188	237	
E746_A750deIELREA	4417	174	
T790M	4810	189	
G719S	4761	247	
V769_D770insASV	4004	207	
S752_I759delSPANKEI	2855	105	

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

Mr. Björn Nowack

Date of batch release: 13.01.2020

Signature batch release: Björn Nowack

This document was created electronically and is valid without a signature.

Net: <u>www.sens-id.com</u> SensID GmbH, Schillingallee 68, 18057 Rostock, Germany