

Multiplex gDNA Reference Standard

IMPORTANT: Centrifuge tube prior to opening to prevent loss of product

PRODUCT INFORMATION	
Catalog ID	HD829
Batch ID	
Product Description	Myeloid DNA Reference Standard
Date of Manufacture	
Manufacturing QMS Status	ISO 13485

PROPERTIES	
Quantity	500 ng
Concentration	25 ng/μl
Buffer	Tris-EDTA (10 mM Tris-HCl, 1 mM EDTA), pH 8.0
Storage Conditions	+4°C (2-8°C)
Use by	For the latest information on product shelf life, please visit our website: https://horizondiscovery.com/products/diagnostic-reference-standards/reference-standards-product-information

CUSTOMER SUPPORT	
Technical Support	technical@horizondiscovery.com
Customer Service	orders@horizondiscovery.com

ADDITIONAL INFORMATION	

QUALITY CONTROL

 Allele Frequency (AF) / Copy Number and Genotype: **Droplet Digital™ PCR**

Gene	Variant	Expected AF (%) / Copy Number	Actual AF (%) / Copy Number	Acceptance Criteria (%) / Copy Number		Pass/Fail
				Low	High	
ABL1	T315I	5.00		4.00	6.00	
ASXL1	G646fs*12	40.00		36.00	44.00	
ASXL1	W796C	5.00		4.00	6.00	
BCOR	Q1174fs*8	70.00		63.00	77.00	
CBL	S403F	5.00		4.00	6.00	
DNMT3A	R882C	5.00		4.00	6.00	
EZH2	R418Q	5.00		4.00	6.00	
FLT3	ITD300	5.00		4.00	6.00	
FLT3	D835Y	5.00		4.00	6.00	
GATA1	Q119*	10.00		9.00	11.00	
GATA2	G200fs*18	35.00		31.50	38.50	
IDH1	R132C	5.00		4.00	6.00	
IDH2	R172K	5.00		4.00	6.00	
JAK2	F537-K539>L	5.00		4.00	6.00	
JAK2	V617F	5.00		4.00	6.00	
KRAS	G13D	40.00		36.00	44.00	
NPM1	W288fs*12	5.00		4.00	6.00	
NRAS	Q61L	10.00		9.00	11.00	
RUNX1	M267I	35.00		31.50	38.50	
SF3B1	G740E	5.00		4.00	6.00	
TET2	R1261H	5.00		4.00	6.00	
TP53	S241F	5.00		4.00	6.00	

Horizon Discovery

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Quality: Agarose gel electrophoresis*		
Acceptance Criteria	Band Present/Absent	Pass/Fail
Bright band of high molecular weight		
Quality: Sanger Sequencing*		
Acceptance Criteria	Correct sequence confirmed by Sanger Sequencing	Pass/Fail
FLT3 ITD300	Confirmed	
Quantification: Spectrophotometry (A260)		
Acceptance Criteria	Reading	Pass/Fail
24.0-26.0 ng/μl		

*Quality Control Test occurs before gDNA is multiplexed

FOR RESEARCH USE ONLY

Manufactured in the UK

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