

## Multiplex gDNA Reference Standard

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

PRODUCT INFORMATION	
Catalog ID	HD829
Batch ID	36579
Product Description	<a href="#">Myeloid DNA Reference Standard</a>
Date of Manufacture	12-Feb-2019
Manufacturing QMS Status	ISO 13485

PROPERTIES	
Quantity	500 ng
Concentration	25 ng/ $\mu$ l
Buffer	Tris-EDTA (10 mM Tris-HCl, 1 mM EDTA), pH 8.0
Storage Conditions	+4°C
Use by	For the latest information on product shelf life, please visit our website: <a href="https://www.horizondiscovery.com/reference-standards/coa-information">https://www.horizondiscovery.com/reference-standards/coa-information</a>

CUSTOMER SUPPORT	
Technical Support	<a href="mailto:technical@horizondiscovery.com">technical@horizondiscovery.com</a>
Customer Service	<a href="mailto:orders@horizondiscovery.com">orders@horizondiscovery.com</a>

ADDITIONAL INFORMATION	
N/A	

### Horizon Discovery

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Waterbeach, Cambridge,  
CB25 9TL, United Kingdom  
[www.horizondiscovery.com/](http://www.horizondiscovery.com/)

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f + 44 (0) 1223 655 581  
e [orders@horizondiscovery.com](mailto:orders@horizondiscovery.com)

**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	4.75	4.00	6.00	PASS
ASXL1	G646fs*12	40.00	38.10	36.00	44.00	PASS
ASXL1	W796C	5.00	5.38	4.00	6.00	PASS
BCOR	Q1174fs*8	70.00	68.40	63.00	77.00	PASS
CBL	S403F	5.00	5.49	4.00	6.00	PASS
DNMT3A	R882C	5.00	4.83	4.00	6.00	PASS
EZH2	R418Q	5.00	4.86	4.00	6.00	PASS
FLT3	ITD300	5.00	4.69	4.00	6.00	PASS
FLT3	D835Y	5.00	4.91	4.00	6.00	PASS
GATA1	Q119*	10.00	10.40	9.00	11.00	PASS
GATA2	G200fs*18	35.00	34.50	31.50	38.50	PASS
IDH1	R132C	5.00	5.10	4.00	6.00	PASS
IDH2	R172K	5.00	5.21	4.00	6.00	PASS
JAK2	F537-K539>L	5.00	4.70	4.00	6.00	PASS
JAK2	V617F	5.00	5.21	4.00	6.00	PASS
KRAS	G13D	40.00	38.70	36.00	44.00	PASS
NPM1	W288fs*12	5.00	4.64	4.00	6.00	PASS
NRAS	Q61L	10.00	10.19	9.00	11.00	PASS
RUNX1	M267I	35.00	34.20	31.50	38.50	PASS
SF3B1	G740E	5.00	5.34	4.00	6.00	PASS
TET2	R1261H	5.00	4.65	4.00	6.00	PASS
TP53	S241F	5.00	5.21	4.00	6.00	PASS

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Quality: Agarose gel electrophoresis*		
Acceptance Criteria	Band Present/Absent	Pass/Fail
Bright band of high molecular weight	Present	PASS
Quality: Sanger Sequencing*		
Acceptance Criteria	Correct sequence confirmed by Sanger Sequencing	Pass/Fail
FLT3 ITD300	Confirmed	PASS
Quantification: Spectrophotometry (A260)		
Acceptance Criteria	Reading	Pass/Fail
24.0-26.0 ng/μl	24.63 ng/μl	PASS

\*Quality Control Test occurs before gDNA is multiplexed

**FOR RESEARCH USE ONLY**

Manufactured in the UK

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