

## Multiplex gDNA Reference Standard

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

### PRODUCT INFORMATION

Catalog ID	HD829
Batch ID	
Product Description	<a href="#">Myeloid DNA Reference Standard</a>
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
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

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#### Horizon Discovery

8100 Cambridge Research Park,  
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		4.00	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	

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

\*Quality Control Test occurs before gDNA is multiplexed

**FOR RESEARCH USE ONLY**

Manufactured in the UK

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