

# **CERTIFICATE OF ANALYSIS**

## **Product information**

Name	Panel-Ref® GIST Cancer Reference Standard
Catalog No.	CBP90032
Lot No.	GBD53212388
Format	Genomic DNA
Buffer	Tris-EDTA
Storage Conditions	4°C
Date of Manufacture	2021/08/05
Expiry	36 months from the date of manufacture

## **Quality Control**

Test Items	Standard	Results	Passed
Quantity	0.50 μg/vial*1 vial	0.50 μg/vial*1 vial	
Concentration	40.00 ng/uL±10%	39.10 ng/uL by Qubit 3.0 detection	
OD <sub>260</sub> /OD <sub>280</sub>	1.7~2.1	1.82 by Nanodrop detection	
DNA electrophoresis	No Degradation	Ikb ladder    Ikb ladder	$\checkmark$

Gene	AA Change	CDS Change	Expected AF	DdPCR AF(n=2)	Chr position (GRCh37)
c-KIT	p.V560D	c.1679T>A	5.00%	5.13%	chr4:55593613
c-KIT				4.89%	chr4:55599321
c-KIT	p.A502_Y50 3dup	c.1504_1509d upGCCTAT	5.00%	4.68%	chr4:55592185_55592186
PDGFRA	p.D842V	c.2525A>T	5.00%	5.22%	chr4:55152093

#### **DdPCR** Acceptance criteria

Expected value	Acceptance criteria	Expected value	Acceptance criteria
<1%	Expected value $\pm 50\%$	<5 copies	Expected value $\pm 30\%$
≥1% and <5%	Expected value $\pm 30\%$	$\geq$ 5 and <10 copies	Expected value $\pm 20\%$
≥5% and <10%	Expected value $\pm 20\%$	≥10 copies	Expected value $\pm 10\%$
≥10%	Expected value ± 10%		

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#### **Caution:**

For research use only. If you have any questions about the Certificate of Analysis, please contact us.

Certified by: 月時行 Date:\*\*\*\* 項望み Date:\*\*\*

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