



## CERTIFICATE OF ANALYSIS

### Formalin Compromised DNA Reference Standard

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

#### PRODUCT INFORMATION

Catalogue No.	HD799	Serial No.	21983
Date of Manufacture	June 2016		
Description	Quantitative Multiplex Formalin Compromised (Moderate)		

#### PROPERTIES

Quantity	1µg
Concentration	50ng/µL
Buffer	Tris-EDTA (10 mM Tris-HCl, 1 mM EDTA), pH 8.0
Storage Conditions	+4°C
Use By*	Stable for 12 months from date of manufacture (as supplied)

#### QUALITY CONTROL

TEST	TEST METHOD AND ACCEPTANCE CRITERIA	PASS/FAIL
Allelic Frequency	Droplet Digital™ PCR Allelic frequencies accurate to: <ul style="list-style-type: none"> <li>For allelic frequencies &gt;20% ± 20%</li> <li>For allelic frequencies ≥5 % &lt;20% ± 30%</li> <li>For allelic frequencies ≥1% &lt;5% ± 40%</li> </ul>	Pass
Quantification	Qubit® dsDNA BR assay (Invitrogen) <ul style="list-style-type: none"> <li>50.0 ng/µL ± 10% (45.0 – 55.0 ng/µL)</li> </ul>	Pass
Amplifiability	qPCR Mean CT Value, GAPDH Taqman assay (CV%: <5%) <ul style="list-style-type: none"> <li>Low: 23.5 - 25.0</li> <li>Moderate: 25.5 - 27.5</li> <li>High: 28.0 - 30.0</li> </ul>	Pass
Fragmentation	D1000 DNA ScreenTape assay (Agilent Tech) <ul style="list-style-type: none"> <li>Fragment characteristics fall within an accepted range for the level of formalin treatment.</li> </ul>	Pass

#### CUSTOMER SUPPORT

Technical	<a href="mailto:technical@horizondiscovery.com">technical@horizondiscovery.com</a>
Orders	<a href="mailto:orders@horizondiscovery.com">orders@horizondiscovery.com</a>

FOR RESEARCH USE ONLY