



CERTIFICATE OF ANALYSIS

Formalin Compromised DNA Reference Standard

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

PRODUCT INFORMATION

Catalogue No.	HD798	Serial No.	21982
Date of Manufacture	June 2016		
Description	Quantitative Multiplex Formalin Compromised (Mild)		

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"> For allelic frequencies >20% ± 20% For allelic frequencies ≥5 % <20% ± 30% For allelic frequencies ≥1% <5% ± 40% 	Pass
Quantification	Qubit® dsDNA BR assay (Invitrogen) <ul style="list-style-type: none"> 50.0 ng/µL ± 10% (45.0 – 55.0 ng/µL) 	Pass
Amplifiability	qPCR Mean CT Value, GAPDH Taqman assay (CV%: <5%) <ul style="list-style-type: none"> Low: 23.5 - 25.0 Moderate: 25.5 - 27.5 High: 28.0 - 30.0 	Pass
Fragmentation	D1000 DNA ScreenTape assay (Agilent Tech) <ul style="list-style-type: none"> Fragment characteristics fall within an accepted range for the level of formalin treatment. 	Pass

CUSTOMER SUPPORT

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