

**PRODUCT SPECIFICATION****cfDNA Reference Standard Set****IMPORTANT:** Centrifuge tube prior to opening to prevent loss of product**PRODUCT INFORMATION**

Date Effective From	August 2015	Manufacturing QMS Status	ISO 9001
Quantity	350 ng per vial		
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)* Please refer to product label for details of date of manufacture.		

**QUALITY CONTROL**

TEST	TEST METHOD	ACCEPTANCE CRITERIA
Allelic Frequency	Droplet Digital™ PCR	<ul style="list-style-type: none"><li>0% expected frequency for wild type, up to 0.01%</li><li>0% expected frequency for wild type, up to 0.1% [For targets unverified at 0.01%]</li><li>For AF ≥ 5% &lt; 10% ± 30%</li><li>For AF ≥ 1% &lt; 5% ± 40%</li><li>For AF &lt;1% ± 50%</li></ul>
Fragmentation Size	D1000 DNA ScreenTape assay (Agilent Tech)	<ul style="list-style-type: none"><li>Fragmented DNA of average size 160bp ± 10%</li><li>(35bp – 500bp) ≥92% of total material</li></ul>
Quantification	Qubit® dsDNA BR assay (Invitrogen)	20.0 ng/μL ± 15% (17.0 – 23.0 ng/μL)

\* Stability estimate based on gDNA product stability.

**CUSTOMER SUPPORT**

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