

Technical Product Report

For Research Use Only; Not for use in Diagnostic Procedures

Product Description:	Seraseq® FFPE HRD Negative Reference Material		
Material Number:	0710-2644	Batch Number:	10800327
Material Description:	Mixture of human breast cancer cells and matched normal B lymphoblast cells carrying synthetic DNA variants (mixed at 65% tumor) fixed with 10% formalin and embedded in paraffin.		
Storage	2 - 8 °C		
Fill Volume:	One 10 µm curl		
Date of Manufacture:	21 JAN 2026	Expiration Date:	21 JAN 2030
Test Method for Yield per Curl:	DNA was extracted using the Qiagen QIAamp DNA FFPE Tissue Kit and quantified using the Qubit dsDNA HS Assay.		
Average DNA yield per curl:	530 ng		
Test Method for DNA Quality Assessment:	Agilent TapeStation Genomic DNA ScreenTape Analysis		
Average DIN value:	5.5 for QIAamp extracted DNA		
dPCR Test Method:	Variant and wild-type specific PCR assays run on the BioRad QX-200 digital PCR system using DNA extract from FFPE curls using the Qiagen QIAamp DNA FFPE Tissue Kit.		
HRD Test Method:	Illumina TruSight™ Oncology 500 HRD RUO assay which calculates a GIS using an algorithm licensed from Myriad Genetics.		
Measured GIScore:	28		

Gene	Nucleic Acid change	Amino Acid Change	% Allele Frequency (dPCR)	% Allele Frequency (NGS)
ATM	c.208A>T	p.K70*	14.24	11.95
ATM	c.557delT	p.L186fs	15.92	14.56
BRIP1	c.107T>G	p.L36*	2.83	1.21
BRIP1	c.157dup	p.S53Kfs*16	2.83	1.30
RAD51C	c.242C>A	p.S81*	15.64	6.83
RAD51C	c.338dup	p.G114Wfs*25	15.64	5.70
RAD51D	c.271A>T	p.K91*	16.32	15.08
RAD51D	c.392dup	p.N131Kfs*23	16.32	15.44

ND = not detected; BRIP1 is amplified to ~60 total copies, diluting the variant to a very low allele frequency.

Approval:

Theresa Ozell M

Prepared By

02 Feb 2026

Date