Certificate of Analysis
SALSA® MLPA® Probemix P045 BRCA2/CHEK2

Catalogue #	**P045-025R, P045-050R, P045-100R**	
Product name	**SALSA® MLPA® Probemix P045 BRCA2/CHEK2 (hereafter: P045 BRCA2/CHEK2)**	
LOT	**D1-0423**	
Shipping conditions	Dry ice or cooling elements.	
	Expiration date: April 2028, when stored at recommended conditions.	
Quality control specifications	- Sufficient distance between peaks, absence of extra or shoulder peaks, and completeness of hybridisation of each individual probe, as tested on Applied Biosystems sequencer. - Standard deviation between the final ratios of each individual probe ≤0.10, when tested on 23 different DNA samples of healthy individuals, extracted by various methods. Note that the standard deviation for the mutation-specific probe is not determined because no signal is generated on DNA from healthy individuals. - Each individual probe meets reaction-specific criteria when tested on a single DNA sample under various experimental conditions. - No-DNA controls result in only five major peaks shorter than 121 nucleotides (nt): four Q-fragments at 64, 70, 76 and 82 nt, and one peak in the range of 0-40 nt corresponding to the unused portion of the fluorescent PCR primer. Non-specific peaks longer than 121 nt AND with a height <25% of the median of the four Q-fragments are not expected to affect MLPA reactions when sufficient (50-250 ng) sample DNA is used.	**Test result** **PASS**

More information: www.mrcholland.com; www.mrcholland.eu	
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Certificate of Analysis
P045-D1 BRCA2/CHEK2 sample pictures

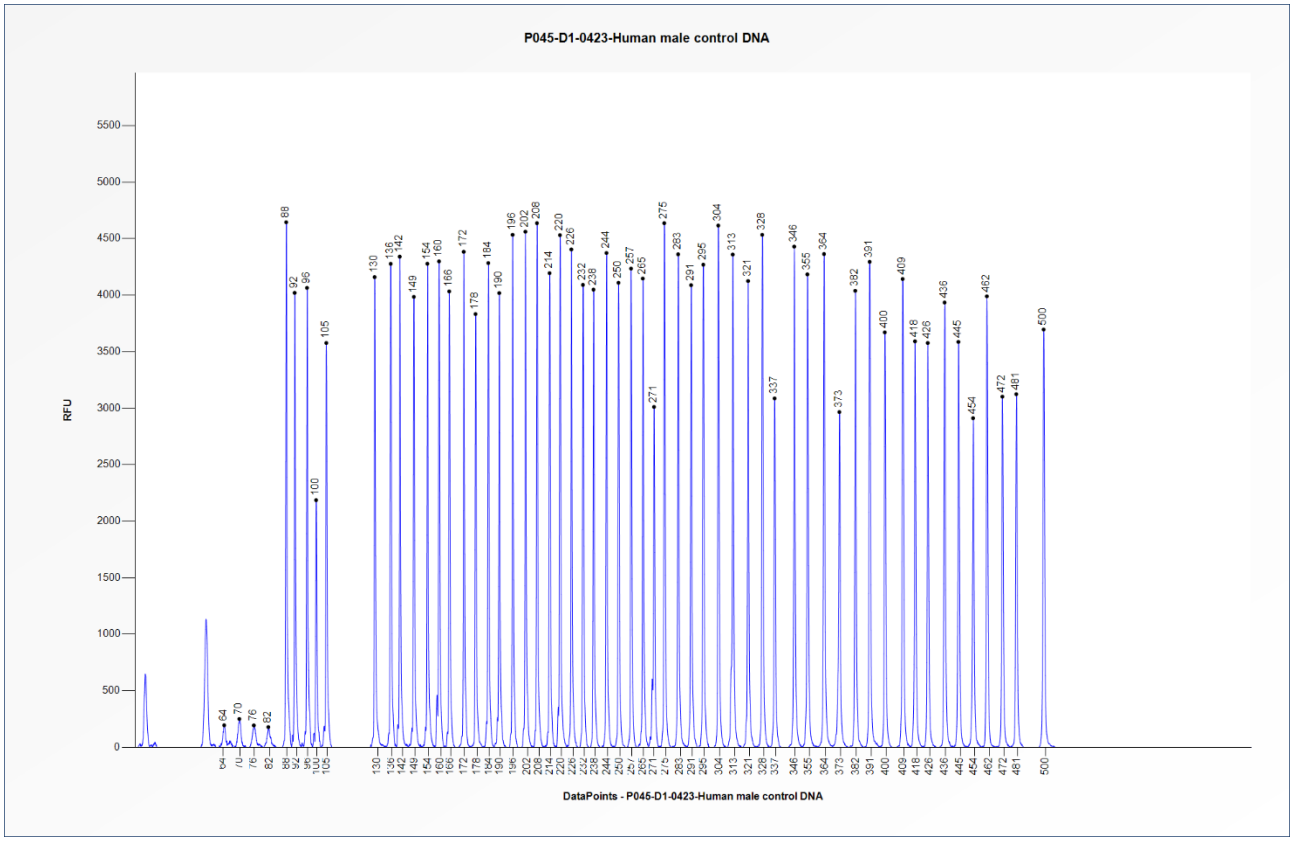


Figure 1. Capillary electrophoresis pattern from a sample of approximately 50 ng human male control DNA analysed with P045 BRCA2/CHEK2 (D1-0423).

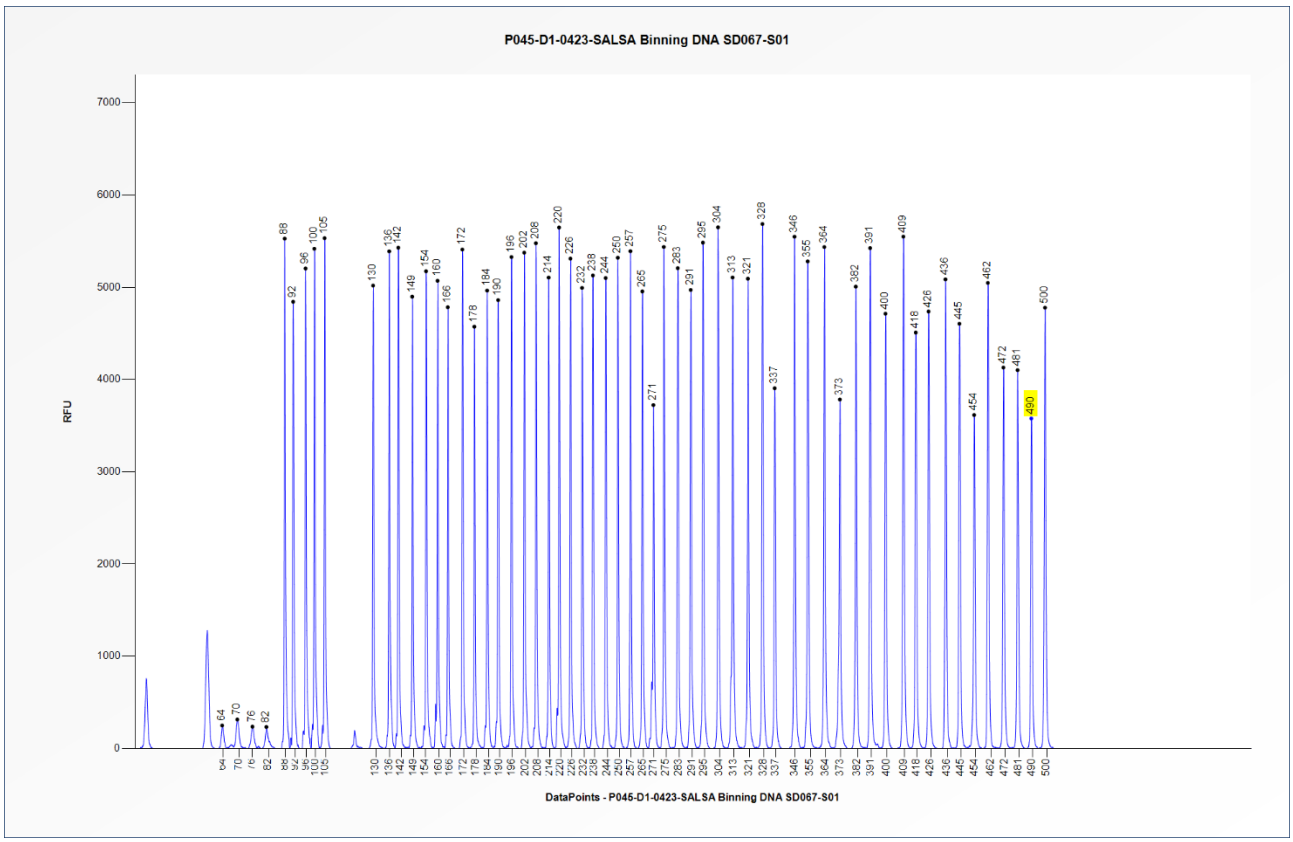


Figure 2. Capillary electrophoresis pattern from SALSA® Binning DNA SD067-S01 (approximately 50 ng) analysed with P045 BRCA2/CHEK2 (D1-0423). The location of the CHEK2 c.1100delC mutation-specific probe at 490 nt is indicated.

This lot was certified by MRC Holland on 7 June 2023.

This certificate is a declaration of analysis at the time of the manufacturing process. All assays were run in compliance with manufacturer's instructions for use.

Implemented changes in the COA
Version 03 – 02 November 2026 (7) - COA adapted to a new template. Version 02 – 06 August 2025 (6) - SALSA Binning DNA SD067 removed from section Purpose. Version 01 – 7 June 2023 (6) - Not applicable, new document.