


Certificate of Analysis

SALSA® MLPA® Probemix P047 RB1

Catalogue #	P047-025R, P047-050R, P047-100R	
Product name	SALSA® MLPA® Probemix P047 RB1 (hereafter: P047 RB1)	
LOT	E3-1125	
Shipping conditions	Dry ice or cooling elements.	
	Expiration date: March 2031, when stored at recommended conditions.	
Quality control specifications	<ul style="list-style-type: none"> - Sufficient distance between peaks, absence of extra or shoulder peaks, and completeness of hybridisation and HhaI digestion 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. - 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	
	MRC Holland BV; Willem Schoutenstraat 1 1057 DL, Amsterdam, The Netherlands
E-mail	info@mrcholland.com (information & technical questions) order@mrcholland.com (orders)
Phone	+31 888 657 200

Certificate of Analysis

P047-E3 RB1 sample pictures

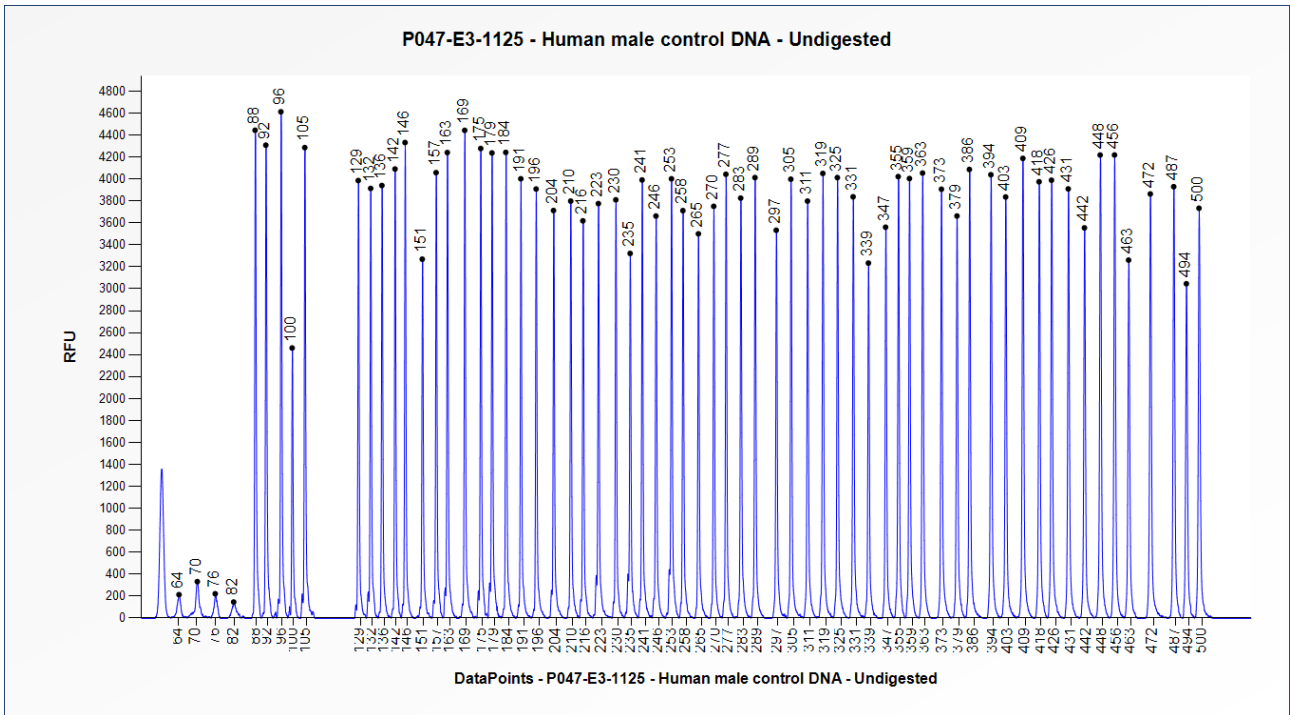


Figure 1. Capillary electrophoresis pattern from a sample of approximately 50 ng undigested human male control DNA analysed with P047 RB1 (E3-1125) for the quantification of copy numbers.

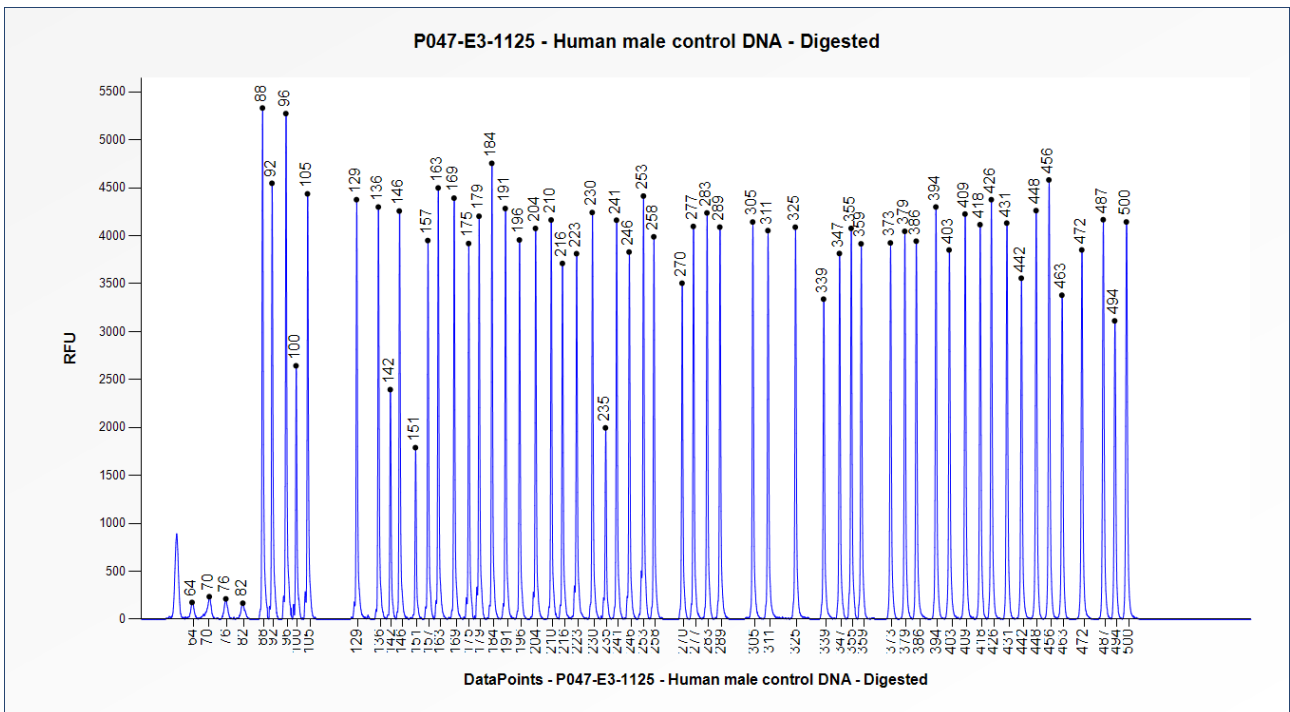


Figure 2. Capillary electrophoresis pattern from a sample of approximately 50 ng digested human male control DNA analysed with P047 RB1 (E3-1125) to determine the methylation status of CpG106 promoter region (digested probe peaks at 265, 297, 319, 331, and 363 nt are absent) and CpG85 imprinted region (digested probe peaks at 142, 151, and 235 nt have reduced height). The signal for 132 nt digestion control probe is absent.

This lot was certified by MRC Holland on 20 May 2026.

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 01 – 22 May 2026 (7) - Not applicable, new document.