




Certificate of Analysis

SALSA® Binning DNA SD031

Catalogue #	SD031	
Product name	SALSA Binning DNA SD031	
LOT	S01-0924	
	6 reactions.	
Shipping conditions	Dry ice or cooling elements.	
	Store upon arrival between -25 °C and -15 °C.	
	Expiry date: September 2029, when stored at recommended conditions.	
Purpose	To be used with SALSA MLPA Probemix P140-C1 HBA, SALSA MLPA reagent kits and Coffalyser.Net™ analysis software as described in the MLPA General Protocol and the corresponding probemix product description.	
Quality control specifications	<ul style="list-style-type: none"> - The mutation-specific probes, as described in the product description, produce a signal at the designed length. - The signal of the mutation-specific probes when tested with wild-type genomic DNA is <5% of the peak height generated when tested with SALSA Binning DNA SD031. - The signal of the mutation-specific probes when tested with SALSA Binning DNA SD031 is at least 15% in peak height of the average probe signal of the 10 neighbouring probes and is not >25% higher than any of the 10 neighbouring probes. - The 105 nt chromosome Y specific control fragment generates a signal on SALSA Binning DNA SD031 which is similar ($\pm 20\%$) to the signal obtained on wild-type male genomic DNA. - All SALSA MLPA Probemix P140-C1 HBA probes, other than the mutation-specific probes, show normal signals, similar ($\pm 20\%$) to the peak pattern obtained on wild-type genomic DNA. 	Test result PASS

More information: www.mrcholland.com ; www.mrcholland.eu	
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SALSA® Binning DNA SD031 sample pictures

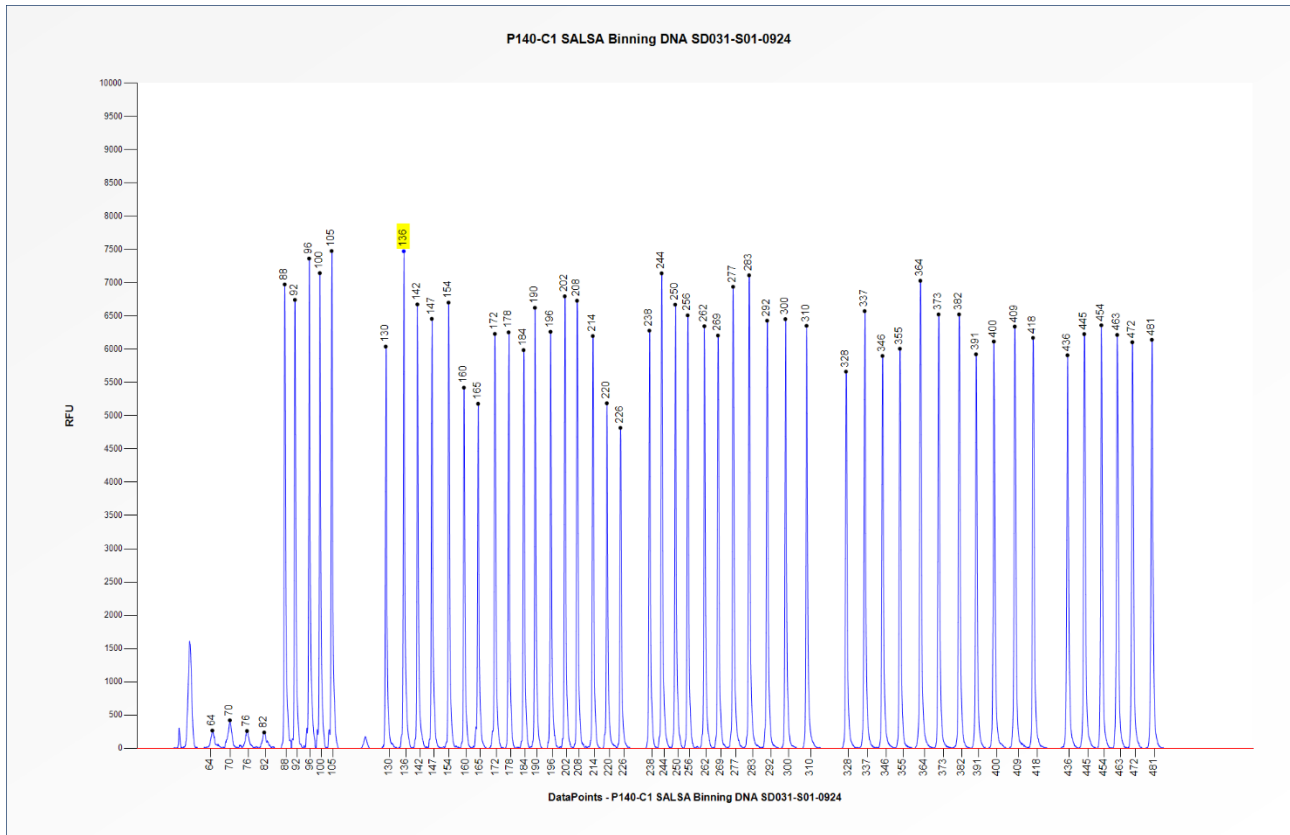


Figure 1. Capillary electrophoresis pattern from SALSA Binning DNA SD031-S01-0924 (approximately 50 ng) analysed with SALSA MLPA Probemix P140 HBA (C1-0322). The location of the Hb Contant Spring mutation (HBA2:c.427T>C, p.*143Glnext*31) specific probe at 136 nt is indicated. Probe peak heights may vary between different lots of the P140-C1 probemix.

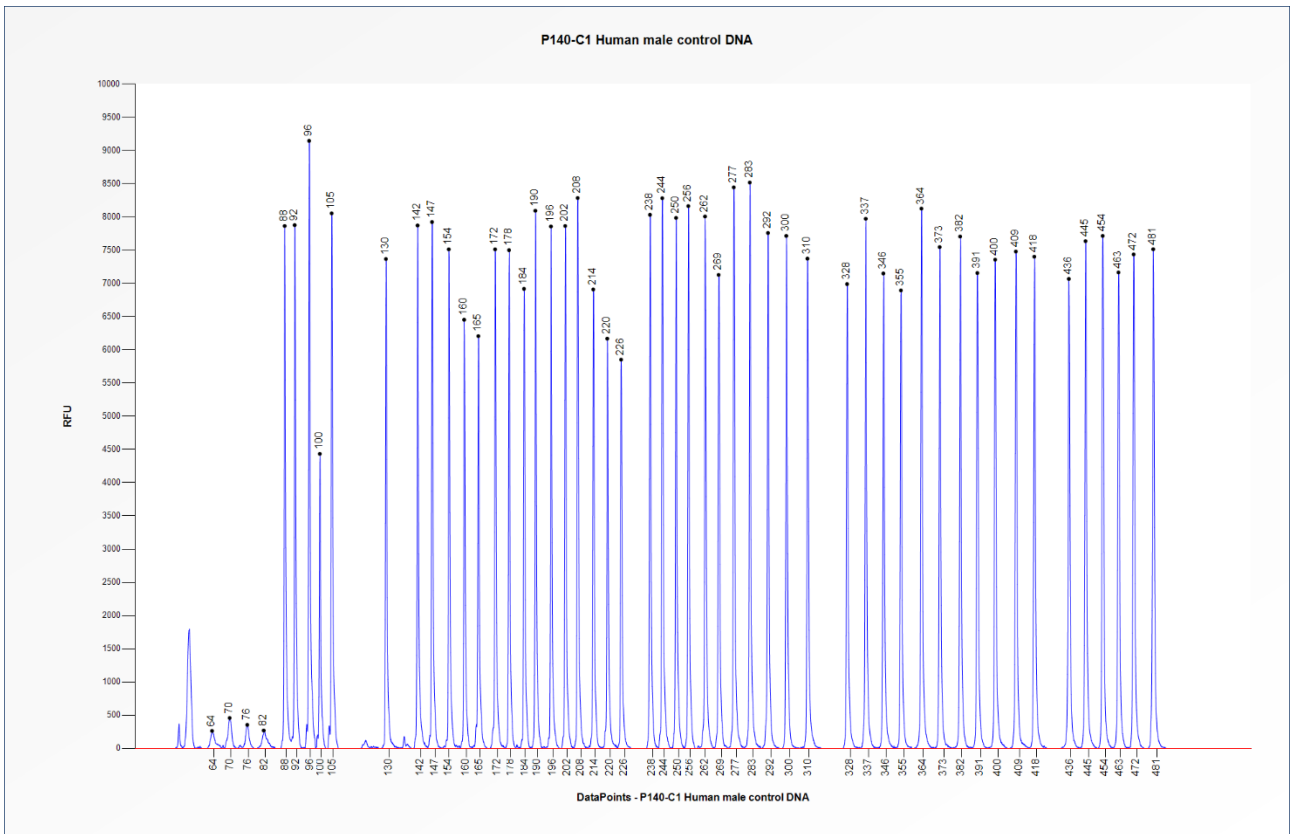


Figure 2. Capillary electrophoresis pattern from a sample of approximately 50 ng human male control DNA analysed with SALSA MLPA Probemix P140 HBA (C1-0322). Probe peak heights may vary between different lots of the P140-C1 probemix.

This lot was certified by MRC Holland on 10 October 2024.

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 – 13 November 2024(05) - Not applicable, new document.