




Certificate of Analysis

SALSA® Reference Selection & Binning DNA SD084

Catalogue #	SD084	
Product name	SALSA Reference Selection & Binning DNA SD084	
LOT	S01-0620	
	6 reactions.	
Shipping conditions	Dry ice or cooling elements.	
	Store upon arrival between -25 °C and -15 °C.	
	Expiry date: June 2025, when stored at recommended conditions.	
Purpose	To be used with SALSA MLPA Probemix P460-A1 SMA (Silent) Carrier, SALSA MLPA reagent kits and Coffalyser.Net™ analysis software as described in the MLPA General Protocol and the corresponding Reference Selection & Binning DNA product description.	
Quality control specifications	<ul style="list-style-type: none"> - Reference Selection & Binning DNA SD084 has a diploid status for the following genes: <i>SMN1</i> and <i>SMN2</i>, as well as for the reference probe target sequences of SALSA MLPA Probemix P460-A1 SMA (Silent) Carrier. - Signal-to-size drop or sloping in the Reference Selection & Binning DNA SD084 reactions should be similar (max 30% difference) as compared to arbitrarily chosen genomic samples known to be of sufficient quality for MLPA. - Concentration of Reference Selection & Binning DNA SD084 is between 8 and 12.5 ng/μl. - The polymorphism-specific probes, as described in the product description, produce a signal at the designed length. - The signal of the polymorphism-specific probes when tested with wild-type genomic DNA is <5% of the peak height generated when tested with SALSA Reference Selection & Binning DNA SD084. - The signal of the polymorphism-specific probes when tested with SALSA Reference Selection & Binning DNA SD084 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 Reference Selection & Binning DNA SD084 which is similar (±20%) to the signal obtained on wild-type male genomic DNA. - All SALSA MLPA Probemix P460-A1 SMA (Silent) Carrier probes, other than the mutation-specific probes, show normal signals, similar (±20%) to the peak pattern obtained on wild-type genomic DNA. 	<p>Test result</p> <p style="text-align: center; font-weight: bold;">PASS</p>

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

SALSA® Reference Selection & Binning DNA SD084 sample pictures

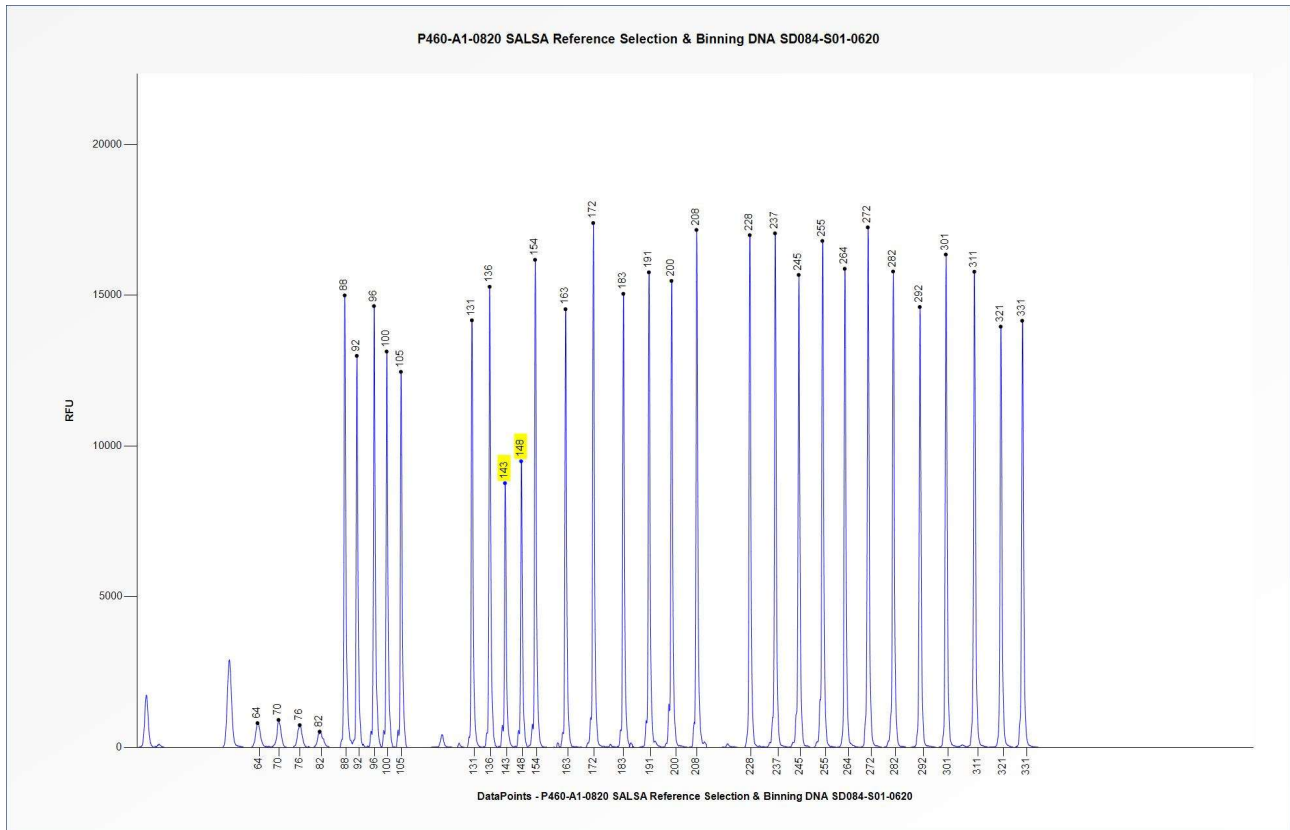


Figure 1. Capillary electrophoresis pattern from SALSA Reference Selection & Binning DNA SD084-S01-0620 (approximately 50 ng) analysed with SALSA MLPA Probemix P460 SMA (Silent) Carrier (A1-0820). The locations of the g.27134T>G and g.27706-27707delAT polymorphism-specific probes at 143 nt and 148 nt respectively are indicated. Probe peak heights may vary between different lots of the P460-A1 probemix.

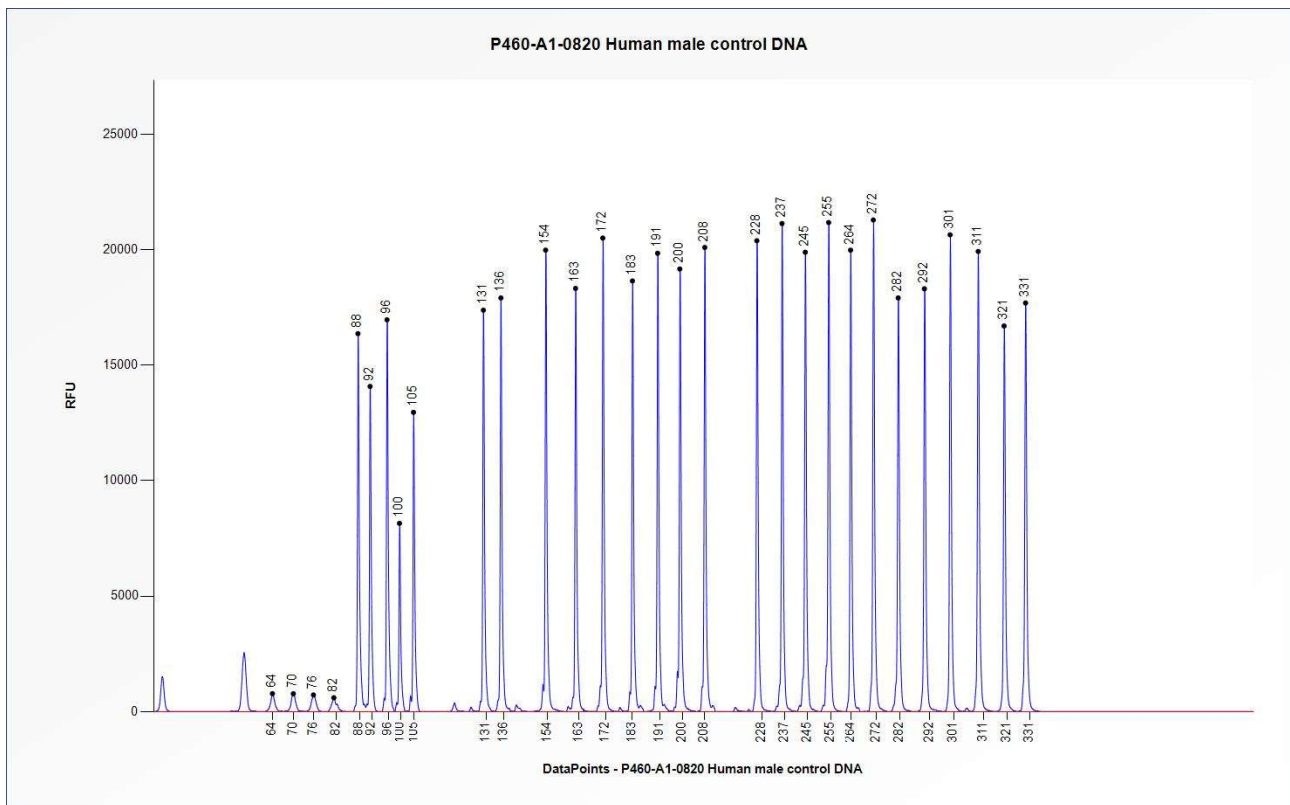


Figure 2. Capillary electrophoresis pattern from a sample of approximately 50 ng human male control DNA analysed with SALSA MLPA Probemix P460 SMA (Silent) Carrier (A1-0820). Probe peak heights may vary between different lots of the P460-A1 probemix.

This lot was certified by MRC Holland on 24 December 2020.

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 June 2022 (04)

- COA restructured and adapted to a new template.

Version 02 – 13 July 2021 (03)

- Name of P460 probemix changed from 'SMA' to 'SMA (Silent) Carrier'.
- Figure 1 and Figure 2 replaced; probemix lot used changed from P460-A1-0419 to P460-A1-0820.

Version 01 – 15 February 2021 (03)

- Not applicable, new document.