

Certificate of Analysis SALSA[®] Binning DNA SD022

Catalogue #	SD022	
Product name	SALSA Binning DNA SD022	
LOT	S01-1124	
Σ	6 reactions.	
Shipping conditions	Dry ice or cooling elements.	
	Store upon arrival between -25 °C and -15 °C.	
	Expiry date: November 2029, when stored at recommended conditions.	
Purpose	To be used with SALSA MLPA Probemix P043-E1 APC, SALSA MLPA Probemix P072 D1 MSH6-MUTYH or SALSA MLPA Probemix P378-D1 MUTYH, SALSA MLPA reager kits and Coffalyser.Net [™] analysis software as described in the MLPA General Protoco and the corresponding probemix product descriptions.	nt
Quality control specifications	- The mutation-specific probes, as described in the product Test resul description, produce a signal at the designed length.	lt
	 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 SD022. 	
	 The signal of the mutation-specific probes when tested with SALSA Binning DNA SD022 is at least 15% in peak height of the average probe signal of the 10 neighbouring probes. 	
	- The 105 nt chromosome Y specific control fragment generates a signal on SALSA Binning DNA SD022 which is similar (±20%) to the signal obtained on wild-type male genomic DNA.	
	 All SALSA MLPA Probemix P043-E1 APC, SALSA MLPA Probemix P072-D1 MSH6-MUTYH and SALSA MLPA Probemix P378-D1 MUTYH probes, other than the mutation-specific probes, show normal signals, similar (±20%) to the peak pattern obtained on wild- type genomic DNA. 	

More information: www.mrcholland.com; www.mrcholland.eu		
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E-mail	info@mrcholland.com (information & technical questions) order@mrcholland.com (orders)	
Phone	+31 888 657 200	



Certificate of Analysis SALSA[®] Binning DNA SD022 sample pictures

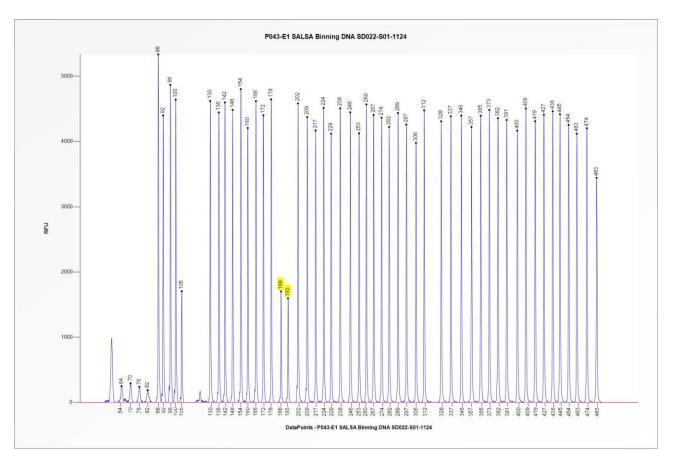


Figure 1. Capillary electrophoresis pattern from SALSA Binning DNA SD022-S01-1124 (approximately 50 ng) analysed with SALSA MLPA Probemix P043 APC (E1-0923).The locations of the *MUTYH* c.536A>G (p.Tyr179Cys) mutation-specific probe at 188 nt and the *MUTYH* c.1187G>A (p.Gly396Asp) mutation-specific probe at 193 nt are indicated. Probe peak heights may vary between different lots of the P043-E1 probemix.



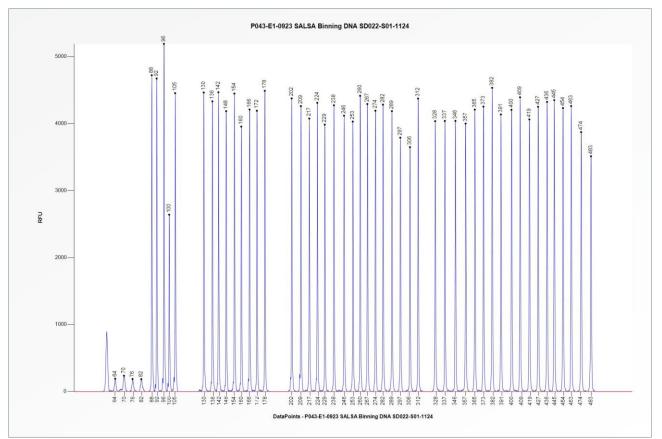


Figure 2. Capillary electrophoresis pattern from a sample of approximately 50 ng human male control DNA analysed with SALSA MLPA Probemix P043 APC (E1-0923). Probe peak heights may vary between different lots of the P043-E1 probemix.

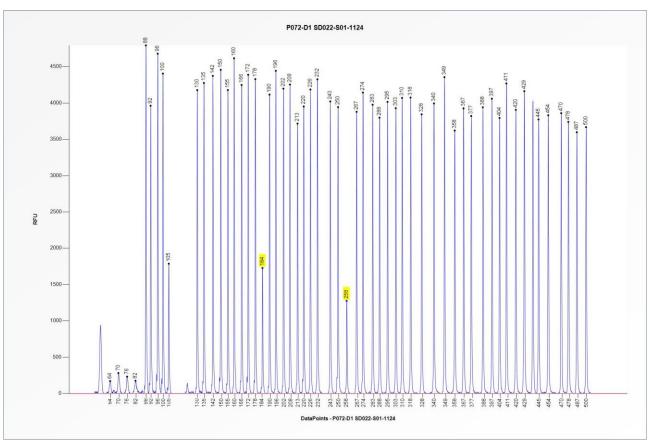


Figure 3. Capillary electrophoresis pattern from SALSA Binning DNA SD022-S01-1124 (approximately 50 ng) analysed with SALSA MLPA probemix P072 MSH6-MUTYH (D1-0224). The locations of the *MUTYH* c.536A>G

(p.Tyr179Cys) mutation-specific probe at 184 nt and the *MUTYH* c.1187G>A (p.Gly396Asp) mutation-specific probe at 258 nt are indicated. Probe peak heights may vary between different lots of the P072-D1 probemix.

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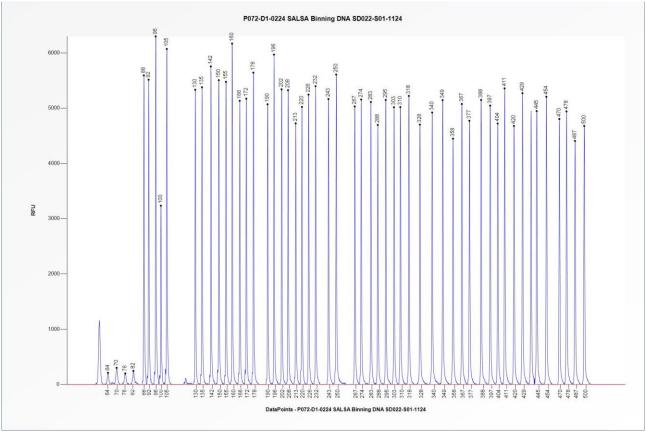


Figure 4. Capillary electrophoresis pattern from a sample of approximately 50 ng human male wild-type genomic DNA analysed with SALSA MLPA probemix P072 MSH6-MUTYH (D1-0224). Probe peak heights may vary between different lots of the P072-D1 probemix.



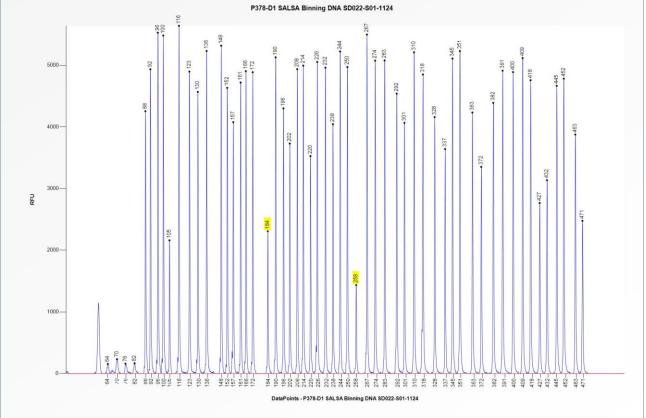


Figure 5. Capillary electrophoresis pattern from SALSA Binning DNA SD022-S01-1124 (approximately 50 ng) analysed with SALSA MLPA probemix P378 MUTYH (D1-0321). The locations of the *MUTYH* c.536A>G (p.Tyr179Cys) mutation-specific probe at 184 nt and the *MUTYH* c.1187G>A (p.Gly396Asp) mutation-specific probe at 258 nt are indicated. Probe peak heights may vary between different lots of the P378-D1 probemix.

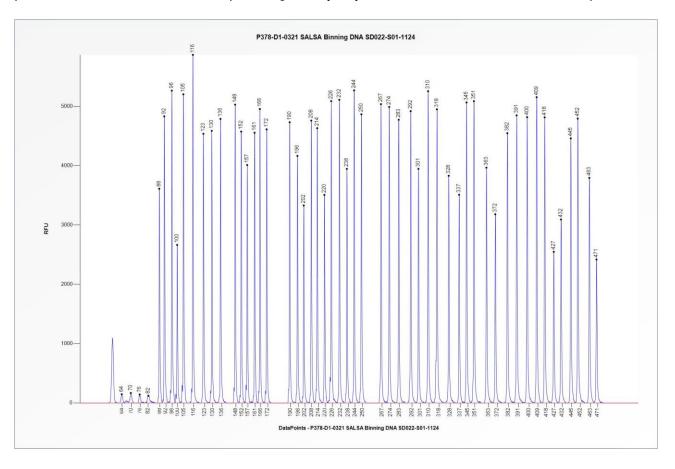


Figure 6. Capillary electrophoresis pattern from a sample of approximately 50 ng human male wild-type genomic DNA analysed with SALSA MLPA probemix P378 MUTYH (D1-0321). Probe peak heights may vary between different lots of the P378-D1 probemix.

This lot was certified by MRC Holland on 04 December 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 – 10 December 2024 (05) - Not applicable, new document.