

Certificate of Analysis

SALSA® MS-MLPA® Probemix ME028 Prader-Willi/Angelman

Catalogue #	ME028-025R, ME028-050R, ME028-100R	
Product name	Probemix ME028 Prader-Willi/Angelman	
LOT	D1-0521	
Σ	25, 50, or 100 reactions.	
Shipping conditions	Dry ice or cooling elements.	
*	Store upon arrival between -25°C and -15°C.	
	Expiration date: May 2026, when stored at recommended condition should not be frozen/thawed more than 25 times.	ns. This product
Purpose	This product has been developed for the detection of aberrant methy more sequences of the 15q11 Prader-Willi Syndrome (PWS) and Ange (AS) region, as described in Table 1 and 2 of the product description can also be used to detect deletions/duplications in the aforementione region. This probemix is designed for use only in combination wit reagent kits, SALSA Hhal and Coffalyser.Net analysis software as described the sequence of the product description of the product description of the product description of the product description of aberrant methy more sequences of the 15q11 Prader-Willi Syndrome (PWS) and Ange (AS) region, as described in Table 1 and 2 of the product description of aberrant methy more sequences of the 15q11 Prader-Willi Syndrome (PWS) and Ange (AS) region, as described in Table 1 and 2 of the product description of the product d	elman Syndrome n. This probemix ed chromosomal h SALSA MLPA
Quality control specifications	 Sufficient distance between peaks, absence of extra or shoulder peaks, and completeness of hybridisation and Hhal digestion of each individual probe, as tested on Applied Biosystems and Beckman/SCIEX GeXP sequencers. Standard deviation of each individual probe ≤0.10, when tested on 	Test result
	 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. 	PASS
	 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. 	1 100

None of the ingredients are derived from humans, animals, or pathogenic bacteria. Based on the concentrations present, none of the ingredients are hazardous as defined by the Hazard Communication Standard. A Safety Data Sheet (SDS) is not required for these products: none of the preparations contain dangerous substances (as per Regulation (EC) No 1272/2008 [EU-GHS/CLP] and amendments) at concentrations requiring distribution of an SDS (as per Regulation (EC) No 1272/2008 [EU-GHS/CLP] and 1907/2006 [REACH] and amendments). If spills occur, clean with water and follow appropriate site procedures.

More information: www.mrcholland.com; www.mrcholland.eu		
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SALSA MS-MLPA Probemix ME028-D1 Prader-Willi/Angelman sample picture

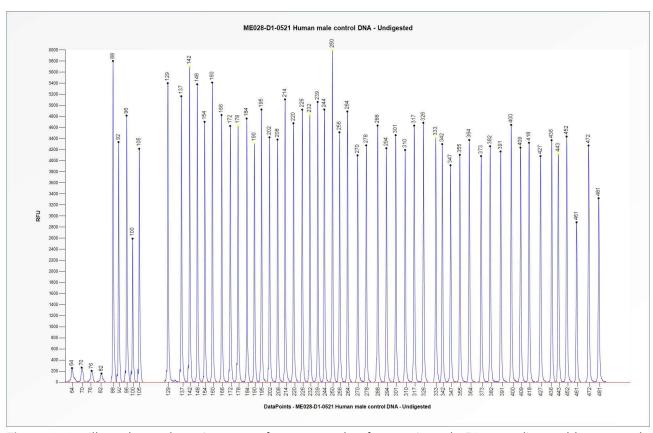


Figure 1. Capillary electrophoresis pattern from a sample of approximately 50 ng <u>undigested</u> human male control DNA analysed with SALSA MS-MLPA Probemix ME028 Prader-Willi/Angelman (D1-0521) for the quantification of copy numbers.





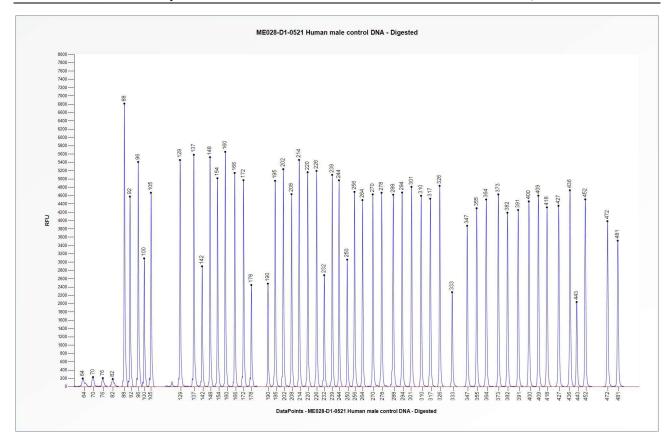


Figure 2. Capillary electrophoresis pattern from a sample of approximately 50 ng <u>digested</u> human male control DNA analysed with SALSA MS-MLPA Probemix ME028 Prader-Willi/Angelman (D1-0521) to determine the methylation status.

This lot was certified by MRC Holland on 16 July 2021.

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 - 16 July 2021 (4)

- Not applicable, new document.