





## Certificate of Analysis

### SALSA<sup>®</sup> MS-MLPA<sup>®</sup> Probemix ME001 Tumour suppressor mix 1

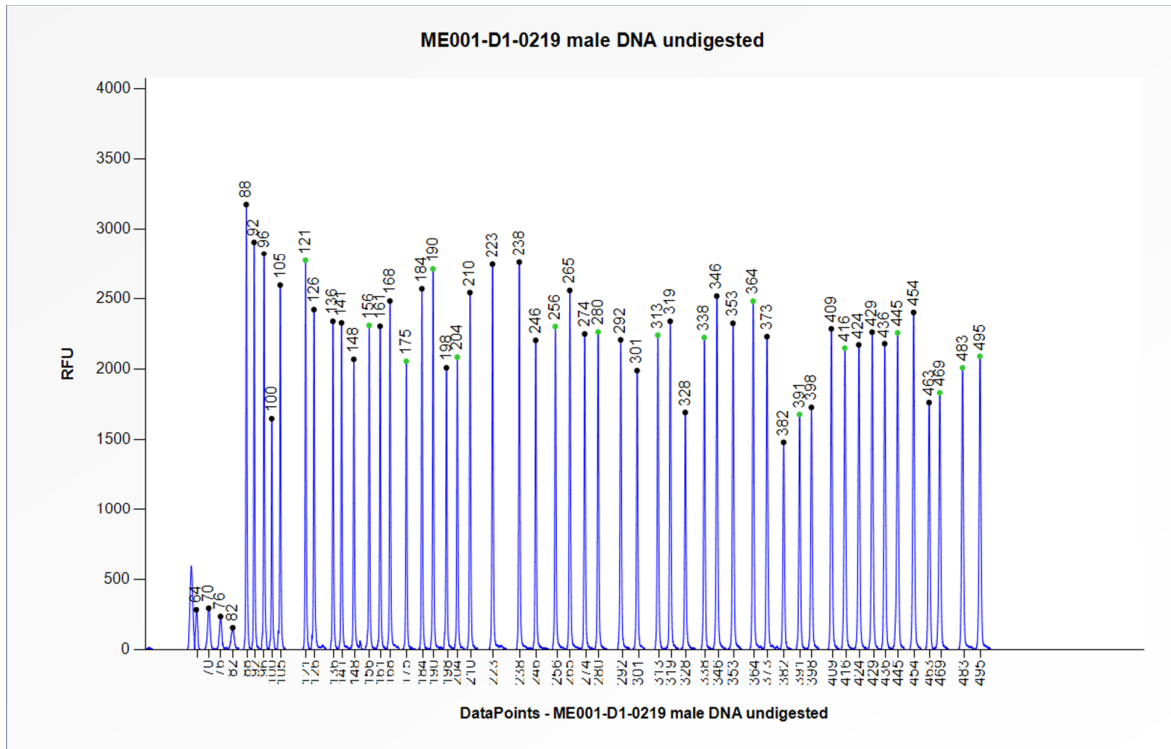
<b>Catalogue #</b>	<b>ME001-025R, ME001-050R, ME001-100R</b>	
<b>Product name</b>	<b>Probemix ME001 Tumour suppressor mix 1</b>	
<b>LOT</b>	<b>D1-0219</b>	
	25, 50, or 100 reactions.	
Shipping conditions	Dry ice or cooling elements.	
	Store upon arrival between -25°C and -15°C.	
	Expiration date: February 2024, when stored at recommended conditions. This product should not be frozen/thawed more than 25 times.	
Use	This probemix allows detection of methylation status of CpG islands upstream of genes for which an altered methylation in one or more types of tumours has been reported in literature. This probemix is designed for use only in combination with SALSA MLPA reagent kits, SALSA HhaI, and Coffalyser.Net as described in the MS-MLPA General Protocol.	
Quality control specifications	<ul style="list-style-type: none"> <li>- 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 3130 and Beckman/SCIEX GeXP sequencers.</li> <li>- Standard deviation of each individual probe, except TIMP3 probe 02255-L31273, <math>\leq 0.10</math>, when tested on 23 different DNA samples of healthy individuals, extracted by various methods.</li> <li>- Each individual probe meets reaction-specific criteria when tested on a single DNA sample under various experimental conditions.</li> <li>- 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 19 nt peak corresponding to the unused portion of the fluorescent PCR primer. Non-specific peaks longer than 121 nt AND with a height &lt;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. Note: We observed two prominent peaks above the 25% threshold with lengths of approximately 117 nt, 151 nt and 235 nt in a No DNA control.</li> </ul>	<p>Test result</p> <p style="text-align: center; font-weight: bold;">PASS</p>

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.

<b>More information: <a href="http://www.mlpa.com">www.mlpa.com</a>; <a href="http://www.mlpa.eu">www.mlpa.eu</a></b>	
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Phone	+31 888 657 200

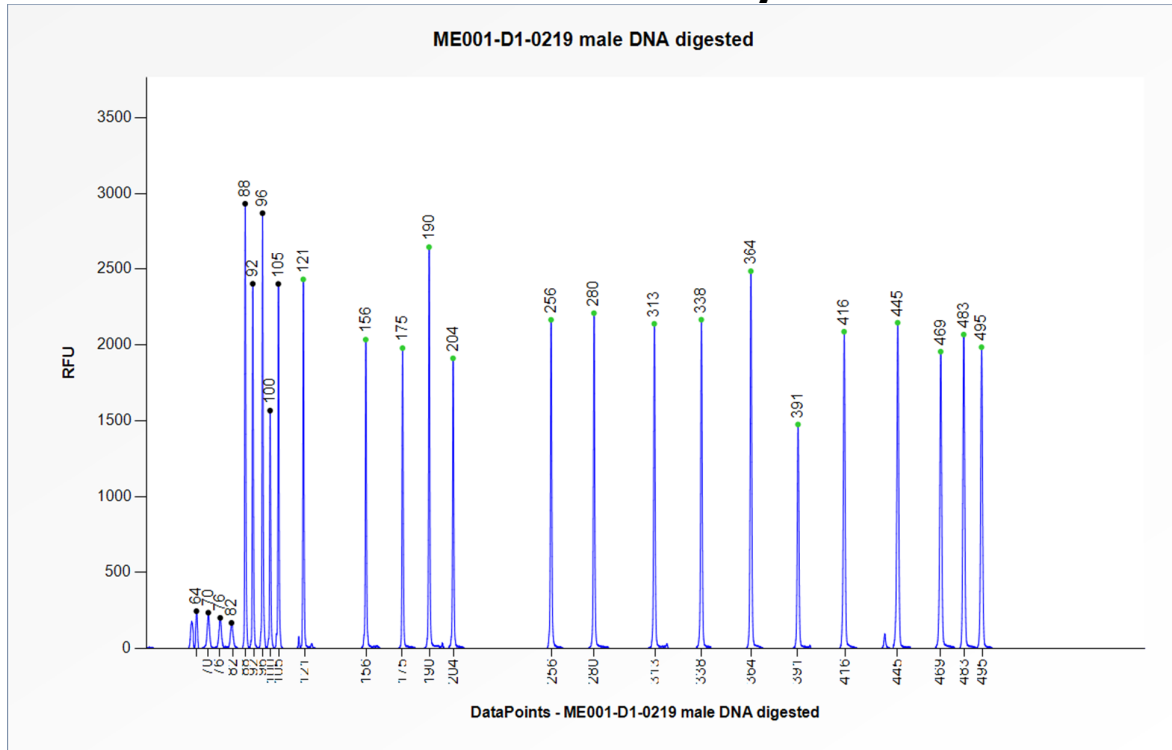
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### SALSA MS-MLPA Probemix ME001 Tumour suppressor mix 1 sample picture



**Figure 1.** Capillary electrophoresis pattern from a sample of approximately 50 ng undigested human male control DNA analysed with SALSA MS-MLPA Probemix ME001 Tumour suppressor mix 1 (D1-0219) for the quantification of copy numbers.

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**Figure 2.** Capillary electrophoresis pattern from a sample of approximately 50 ng digested human male control DNA analysed with SALSA MS-MLPA Probemix ME001 Tumour suppressor mix 1 (D1-0219) to determine the methylation status.

**This lot was certified by MRC-Holland on 08 March 2019.**

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 – 11 March 2019 (02)  
- Not applicable, new document.