




## Certificate of Analysis

### SALSA® MLPA® Probemix P192 Alport-mix 2

|   |   |   |
|---|---|---|
| <b>Catalogue #</b>  | <b>P192-025R, P192-050R, P192-100R</b>  |   |
| <b>Product name</b>   | <b>Probemix P192 Alport-mix 2</b>   |   |
| <b>LOT</b>  | <b>B4-0719</b>  |   |
|  | 25, 50, or 100 reactions.   |   |
| Shipping conditions   | Dry ice or cooling elements.  |   |
|  | Store upon arrival between -25°C and -15°C.   |   |
|  | Expiration date: July 2024, when stored at recommended conditions. This product should not be frozen/thawed more than 25 times.   |   |
| Use   | This product has been developed for the detection of deletions or duplications in the <i>COL4A5</i> gene and also contains two probes for the adjacent <i>COL4A6</i> gene, as described in table 1 and 2 of the product description. This probemix is designed for use only in combination with SALSA MLPA reagent kits and Coffalyser.Net as described in the 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 of each individual probe, as tested on Applied Biosystems 3130 and Beckman/SCIEX GeXP sequencers.</li> <li>- Standard deviation of each individual probe <math>\leq 0.10</math>, when tested on 23 different DNA samples of healthy individuals from the same sex, 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 one prominent peak above the 25% threshold with a length of approximately 259 nt in some No DNA controls. We observed two prominent peaks below the 25% threshold with lengths of approximately 153 nt, and 436 nt in a No DNA control.</li> </ul> | <p>Test result</p> <p style="text-align: center; font-weight: bold;">PASS</p> |

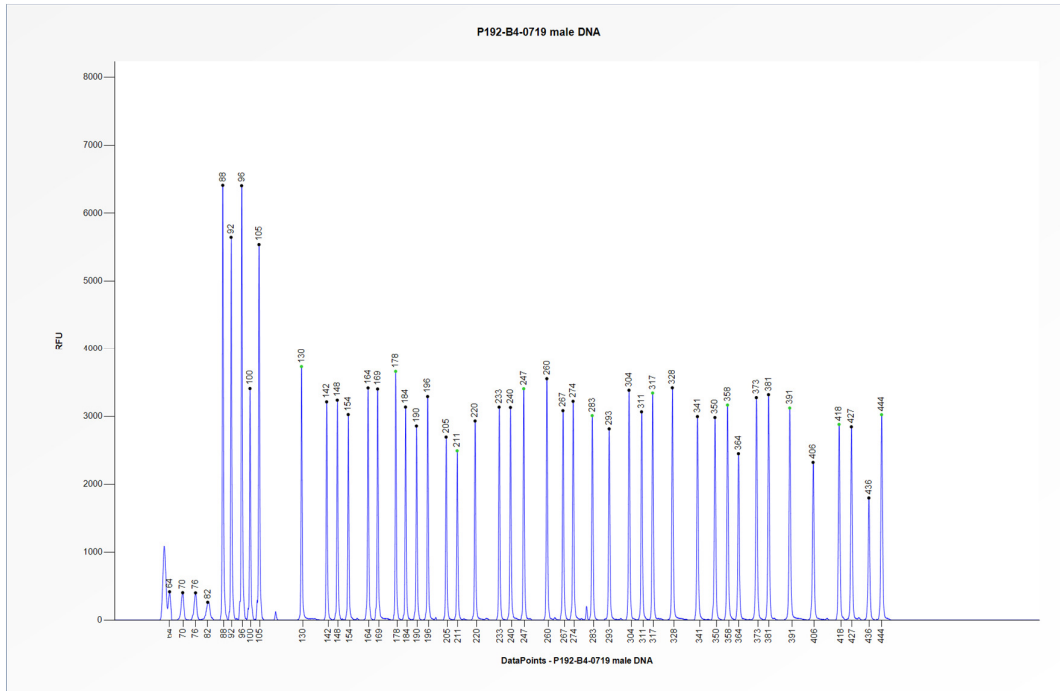
None of the ingredients are derived from humans, animals, or pathogenic bacteria. Based on the concentrations present, none of the ingredients are hazardous as defined by the Hazard Communication Standard. **A Safety Data Sheet (SDS) is not required for these products:** none of the preparations contain 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.

**More information:** [www.mlpa.com](http://www.mlpa.com); [www.mlpa.eu](http://www.mlpa.eu)

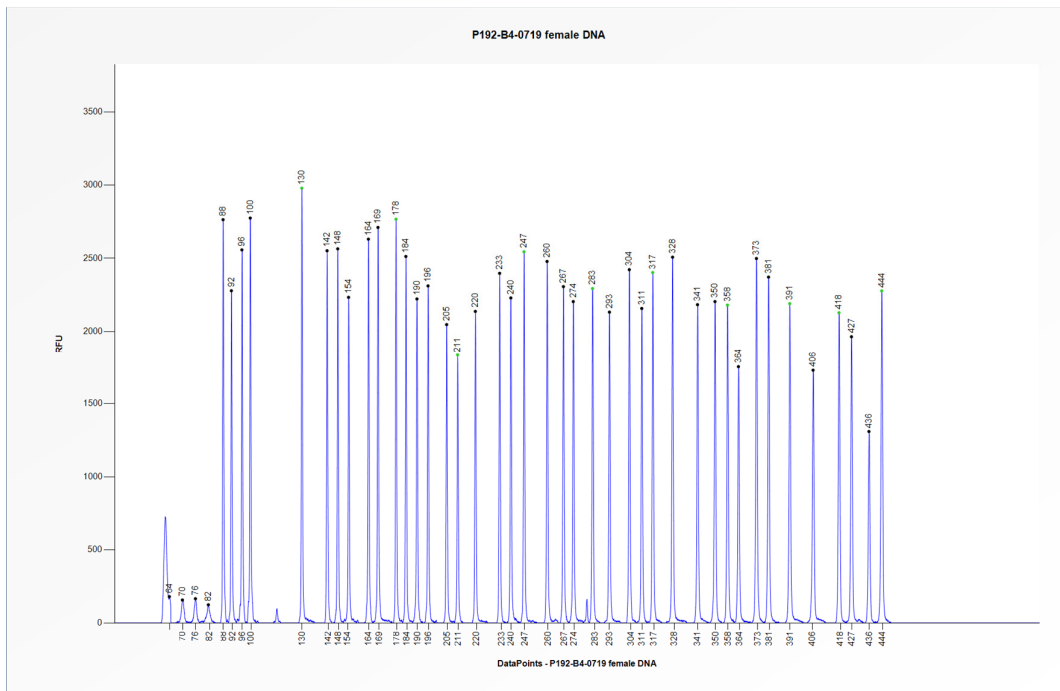
|   |   |
|---|---|
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| E-mail  | <a href="mailto:info@mlpa.com">info@mlpa.com</a> (information & technical questions); <a href="mailto:order@mlpa.com">order@mlpa.com</a> (orders) |
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### SALSA MLPA Probemix P192-B4 Alport-mix 2 sample picture



**Figure 1.** Capillary electrophoresis pattern from a sample of approximately 50 ng human male control DNA analysed with SALSA MLPA Probemix P192 Alport-mix 2 (B4-0719). Note: We observed one prominent peak above the 25% threshold with a length of approximately 259 nt in some No DNA controls.



**Figure 2.** Capillary electrophoresis pattern from a sample of approximately 50 ng human female control DNA analysed with SALSA MLPA Probemix P192 Alport-mix 2 (B4-0719). Note: We observed one prominent peak above the 25% threshold with a length of approximately 259 nt in some No DNA controls.

## **Certificate of Analysis**

**This lot was certified by MRC-Holland on 15 August 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.

| <b>Implemented changes in the COA</b>                                      |
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| <i>Version 01 – 15 August 2019 (04)</i><br>- Not applicable, new document. |