

## Certificate of Analysis

### SALSA® MLPA® Reagent Kit

<b>Catalogue #</b>	EK5-CY5	
<b>Product name</b>	SALSA MLPA Reagent Kit	
	25.0111	
	500 reactions.	
	Expiration date: January 2028.	
<b>Quality control specifications</b>		
Reagent kit components	<ul style="list-style-type: none"> <li>- Test with selected quality control probemixes to check for hybridization speed, ligase-65 activity and polymerase activity. Variation of primer peaks between new and old lots is &lt;20%. Variation within the reference sample population and within the sample population is &lt;10% (maximum stdv 0.10). Residual primer% is below 40%. Probe ratio of special testing probes is between 0.8-1.2. No DNA reaction only shows the 64, 70, 76 and 82 nt control fragments.</li> <li>- Primer-dimer-like peak formation is tested on the PCR Primer mix by using a mix of LPOs that have extensive homology with the PCR Primers. The primer-dimer-like peak is lower than threefold the average height of the probe peaks.</li> <li>- Ligase Buffer B conductivity variation between lots is &lt;10%.</li> <li>- Tests performed (not on Ligase Buffer A and Ligase-65) on 5 ng DNA to determine variation of the primer peaks. This variation should be ≤20%.</li> <li>- Stability test (incubation for 1 week at 37°C). Variation of primer peaks between new and old lots is &lt;20%. Variation within the reference sample population and within the sample population is &lt;10% (maximum stdv 0.10). Residual primer % is below 40%. Probe ratio of special testing probes is between 0.8-1.2. No DNA reaction only shows the 64, 70, 76 and 82 nt control fragments. Sloping is &lt;60%.</li> </ul>	Test result
		PASS
Assembled reagent kit	<ul style="list-style-type: none"> <li>- Test with selected quality control probemix on male and female samples to check for correct fragment profile under normal testing conditions.</li> </ul>	PASS

**This lot was certified by MRC Holland on 22 October 2025.**

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>More information:</b> <a href="http://www.mrcholland.com">www.mrcholland.com</a>	
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**Implemented changes in the COA**

Version 01 – 22 October 2025 (01)  
- Not applicable, new document.