

Certificate of Analysis SALSA® MLPA® Reagent Kit

Catalogue #	EK1-FAM, EK1-Cy5, EK5-FAM, EK5-Cy5, EK20-FAM	
Product name	SALSA MLPA Reagent Kit	
$\overline{\Sigma}$	100, 500 or 2000 reactions.	
Shipping conditions	Dry ice or cooling elements.	
<i>X</i>	Store upon arrival between -25°C and -15°C.	
	Expiration date MLPA reagents: see Appendix A, when stored at recommended conditions. This product should not be frozen/thawed more than 25 times.	
Purpose	This reagent kit has been developed for use only in combination with a SALSA (MS-)MLPA probemix to perform (MS-)MLPA analysis as described in the (MS-)MLPA General Protocol.	
Quality control	- Test with special Quality Control probemixes to check for	Test result
specifications	 hybridization speed, ligase-65 activity and polymerase activity. Variation of primer peaks between new and old lots is <20%. Variation within the reference sample population and within the sample population is <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. 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. Ligase Buffer B conductivity variation between lots is <10%. 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%. Stability test (incubation for 1 week at 37°C). Variation of primer peaks between new and old lots is <20%. Variation within the 	PASS
	reference sample population and within the sample population is <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 <60%.	

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. This COA is a generic certificate valid for all SALSA MLPA Reagent Kit lots. For lot details see Appendix A, which can be found at www.mrcholland.com.

More information: www.mrcholland.com; www.mrcholland.eu	
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Implemented changes in the COA

Version 04 - 28 May 2021

- Statement of applicability of COA to all SALSA MLPA Reagent Kit lots added.
- Removal of SDS statement, as this is found in the SALSA MLPA Reagent Kit product description.