

Product Description SALSA® Binning DNA SD065-S01

Catalogue number: SD065

Binning DNA SD065: Contains 30 µl Binning DNA, sufficient for 6 MLPA reactions, to be used with the following SALSA MLPA probemix: P125-B1 Mitochondria. MLPA reactions for binning purposes should be performed with 5 µl of Binning DNA.

Intended use: This SD065 DNA can be used as Binning DNA sample for the MLPA probemix version as specified above and in Table 1. See Table 1 for more details on mutation-specific probe targets present. Binning and filtering are the processes of linking a signal to its probe identity by use of the probe length. Inclusion of one reaction with SALSA Binning DNA SD065 in the initial MLPA experiment is essential as it can aid in data binning of the peak pattern using Coffalyser.Net software. Furthermore, Binning DNA should be included in the experiment whenever changes have been applied to the set-up of the capillary electrophoresis device (e.g. when capillaries have been renewed).

Please note that this Binning DNA is a mixture of M13mp18 single stranded carrier DNA and artificial DNA of 50-80nt length not covering the whole exon.

This product is for research use only (RUO).

Product Description: MRC-Holland is unable to provide mutation positive human DNA samples. As an alternative, we have prepared a mixture of carrier DNA and plasmid DNA that contains the target sequences recognised by the mutation-specific probes present in the MLPA probemix version as specified above and in Table 1.

The plasmid DNA included in the SD065 DNA contains partial sequences of the MITO and MT3243 genes. These sequences include five different mutations which will be detected by MLPA probes that are present in the aforementioned probemix version (for details, see Table 1) and will generate mutation-specific signals for these probes.

Both the MLPA reaction and the analysis of results should be performed according to the instructions described in the MLPA® General Protocol. More detailed information about the probemix and mutation-specific probes can be found in the respective probemix product description.

Coffalyser.Net software must be used for analysis of MLPA experiments. When performing the fragment analysis step in Coffalyser.Net, select the *bin smpl*-column for the SD065 sample. By selecting the SD065 sample as your binning sample, probes will be correctly identified in the peak pattern across all patient samples. Coffalyser.Net software is available free of charge on www.mlpa.com.

Warning: Binning DNA should never be used as a reference sample in the MLPA data analysis. Neither should it be used in quantification of mutation signal(s), as for this purpose true mutation/SNP positive patient samples or cell lines should be used. It is strongly advised to use sample and reference DNA extracted with the same method and derived from the same source of tissue.

Storage Upon arrival, Binning DNA must be stored between -25 °C and -15 °C. When stored at recommended conditions, this product is stable for at least one year after shipment. The expiry date is mentioned on the label of the vial.


More information: www.mlpa.com ; www.mlpa.eu	
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Table 1. Mutation-specific probe targets in SD065-S01 Binning DNA

Product	Gene	Probe length	Probe ID	Present in probemix version	Details
P125	MT3243	266 nt	04904-L15252	B1	3243A>G
	MITO	251 nt	13307-L14656	B1	3460G>A
	MITO	239 nt	13309-L14658	B1	8344A>G
	MITO	195 nt	13305-L15250	B1	11778G>A
	MITO	231 nt	13306-L14655	B1	14484T>C

Note: Notation of mutations and exon numbering used here may differ from literature! Please notify us of any mistakes: info@mlpa.com.

Implemented Changes – compared to the previous SD065 product description versions

<i>Version 1 -18 July 2016 (14)</i>

- Not applicable, new document.
