

## Product Description SALSA® Reference Selection DNA SD072-S01

### Version S01.

**Catalogue number: SD072:** SALSA® Reference Selection DNA, 20 reactions

To be used with the following SALSA MLPA probemix: P008-C1 PMS2, in combination with a SALSA® MLPA® reagent kit, available for various number of reactions. MLPA reagent kits are either provided with FAM or Cy5.0 dye-labelled PCR primer, suitable for Applied Biosystems and Beckman capillary sequencers, respectively (see [www.mlpa.com](http://www.mlpa.com)).

**Certificate of Analysis:** Information regarding storage conditions, quality tests, and a sample electropherogram from the current sales lot is available at [www.mlpa.com](http://www.mlpa.com).

**Precautions and warnings:** For professional use only. Always consult the most recent product description AND the corresponding probemix product description AND the MLPA General Protocol or the MS-MLPA General Protocol before use: [www.mlpa.com](http://www.mlpa.com). It is the responsibility of the user to be aware of the latest scientific knowledge of the application before drawing any conclusions from findings generated with this product. **Reference Selection DNA should never be used as a reference sample in the MLPA data analysis.**

**Intended use:** This SD072 DNA can be used to select suitable reference DNA samples for the MLPA probemix version as specified above and in Table 1. We recommend the use of this SD072 Reference Selection DNA only for initial experiments on DNA samples from healthy individuals with the intention to select suitable reference DNA samples. Reference Selection DNA should never be used as a reference sample in the MLPA data analysis.

Reference DNA samples for use in MLPA experiments should preferably be derived from the same type of tissue, and be purified by the same method, as the DNA samples to be tested. For certain applications, the selection of suitable reference DNA samples is complicated.

When testing DNA samples from healthy Caucasian individuals, approximately 25% of all DNA samples tested are suitable as reference DNA for the P008 version C1 MLPA probemix for the PMS2 gene.

**Experimental set up:** MLPA reactions for reference selection purposes should be performed with 5 µl of Reference Selection DNA. Include three reactions with SALSA Reference Selection DNA SD072 in the initial MLPA experiment to select suitable reference DNA samples.

**Data analysis:** Coffalyser.Net software must be used for analysis of MLPA experiments. This software is available free of charge on [www.mlpa.com](http://www.mlpa.com).

**Reference Selection DNA content:** SD072 Reference Selection DNA is human genomic DNA purified from a selected cell line. This cell line has two copies each of both alleles for 5 different SNPs that are present in the PMS2 gene and the PMS2CL pseudogene. Probes for these 10 alleles are present in the SALSA MLPA probemix P008 version C1 (for details, see Table 1).

**Storage and stability:** Upon arrival, Reference Selection DNA must be stored between -25 °C and -15 °C, in the original packaging. When stored under the recommended conditions, a shelf life of at least 1 year is guaranteed, also after opening. The expiry date is mentioned on the label of the vial.

**Table 1. Probe targets in Reference Selection DNA SD072-S01**

Probemix	Gene/Exon	Probe length	Probe ID	Probemix version	Copy number	Remarks
P008	Reference	128 nt	00797-L00093	C1	2	
	PMS2/11	133 nt	14452-L00900	C1	2	
	PMS2/9	140 nt	14448-L16160	C1	2	
	PMS2/1	146 nt	07935-L16148	C1	2	
	Reference	154 nt	02417-L04306	C1	2	
	Reference	160 nt	08583-L08584	C1	2	
	PMS2/11	165 nt	14453-L16164	C1	2	SNP-probe
	PMS2/11	171 nt	14453-L16165	C1	2	SNP-probe
	Reference	177 nt	04359-L03779	C1	2	
	PMS2/2	184 nt	01176-L16620	C1	2	
	PMS2/14	190 nt	15768-L18167	C1	4	Detects gene and pseudogene
	Reference	196 nt	07510-L07172	C1	2	
	PMS2/14	202 nt	14458-L16176	C1	2	SNP-probe
	PMS2/14	208 nt	14458-L16177	C1	2	SNP-probe
	PMS2/13	214 nt	14456-L16511	C1	2	SNP-probe
	PMS2/13	220 nt	14456-L16512	C1	2	SNP-probe
	Reference	226 nt	07083-L06712	C1	2	
	PMS2/5	232 nt	14445-L16154	C1	2	
	PMS2/Intr.12	238 nt	14455-L16168	C1	2	SNP-probe
	PMS2/Intr.12	244 nt	14455-L16169	C1	2	SNP-probe
	PMS2/6	250 nt	01180-L16157	C1	2	
	PMS2/13	261 nt	15767-L17448	C1	4	Detects gene and pseudogene
	Reference	268 nt	19040-L09299	C1	2	
	PMS2/7	276 nt	01181-L16158	C1	2	
	PMS2/12	283 nt	15769-L17786	C1	4	Detects gene and pseudogene
	Reference	292 nt	11087-L11770	C1	2	
	PMS2/8	299 nt	01182-L16159	C1	2	
	PMS2/3	310 nt	19910-L26895	C1	2	
	PMS2/10	319 nt	01184-L00745	C1	2	
	Reference	328 nt	08543-L08544	C1	2	
	PMS2/1	338 nt	07934-L16147	C1	2	
	PMS2/15	349 nt	14460-L04046	C1	2	SNP-probe
	PMS2/15	356 nt	14460-L16180	C1	2	SNP-probe
	PMS2/11	364 nt	14451-L16163	C1	2	
	Reference	373 nt	02528-L01959	C1	2	
	PMS2/14	382 nt	15293-L17051	C1	4	Detects gene and pseudogene
	PMS2/3	390 nt	19915-L26898	C1	2	
	PMS2/2	400 nt	14441-L16150	C1	2	
	PMS2/15	409 nt	01189-L00750	C1	4	Detects gene and pseudogene
	PMS2/4	418 nt	19906-L26893	C1	2	
	Reference	427 nt	06029-L05485	C1	2	
	PMS2/6	436 nt	14447-L16623	C1	2	
	PMS2/9	445 nt	14449-L16622	C1	2	
	PMS2/5	454 nt	14446-L16621	C1	2	
	PMS2/10	463 nt	14450-L16162	C1	2	
	Reference	472 nt	15978-L18133	C1	2	
	Reference	483 nt	08480-L08491	C1	2	

**Note:** Exon numbering used here may differ from literature! Please notify us of any mistakes: [info@mlpa.com](mailto:info@mlpa.com). For more information, like corresponding gene transcripts, please consult the respective probemix product description.

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

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\*EUROPE:



\* comprising EU member states, EU member state candidates and members of the European Free Trade Association (EFTA).

OUTSIDE EUROPE:



The product is for RUO in all other countries within Europe

**Implemented Changes – compared to the previous SD072 product description versions**

Version S01-01 – 03 October 2017 (01)

- Not applicable, new document.