

Product Description

SALSA® Sample Stabilising Solution (S4)

To be used with the MLPA General Protocol.

Catalogue number

- **SMR04:** 200 µl SALSA Sample Stabilising Solution (S4). Sufficient for 200 reactions.
- **SMR45:** 1000 µl SALSA Sample Stabilising Solution (S4). Sufficient for 1000 reactions.

General information

Inclusion of the SALSA Sample Stabilising Solution (S4) can improve the quality of MLPA reactions in certain cases. This stabilising solution contains several ingredients that prevent degradation of sample DNA during the initial DNA denaturation heat treatment and that prevent degradation of probes and sample DNA during the overnight incubation at 60 °C.

The use of the SALSA Sample Stabilising Solution may be beneficial when:

- Results of MLPA experiments show an unusual high variation.
- Excessive sloping of MLPA peak patterns is observed.

The SALSA Sample Stabilising Solution is sold by MRC Holland for research use only (RUO). Purchase of this product includes a limited license for research purposes. This product is not IVD registered for use in diagnostic procedures.

Ingredients

Carrier DNA purified from non-hazardous micro-organisms, buffer, anti-oxidant, and undisclosed ingredients. The product contains no substances at concentrations considered to be hazardous to health.

Instructions for use

1. Mix 4 µl sample DNA + 1 µl SALSA Sample Stabilising Solution.
2. Add the SALSA Sample Stabilising Solution before the 5 minutes DNA denaturation step at 98 °C.

Notes:

1. Do not use more than 1 µl of SALSA Sample Stabilising Solution!
2. Use the same amount of SALSA Sample Stabilising Solution for all reactions of an experiment, including the reference samples.

Storage and shelf life

The S4 Sample Stabiliser must be stored directly upon arrival at -15 °C to -25 °C in the dark and in the original package. When stored under the recommended conditions, a shelf life of at least 1 year is guaranteed. See the labels on each vial for the expiry date of each individual reagent.

Materials required but not provided

Calibrated thermocycler with heated lid, capillary electrophoresis instrument, and other laboratory equipment as required.

Safety data sheet:

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.

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Implemented changes in the product description

Version 5 – 29 November 2021

- Product description adapted to a new template.

Version 4 – 28 November 2016

- SMR45 (new volume) added.