

Product Description

SALSA® Hhal

To be used with the MS-MLPA General Protocol.

Catalogue number

- **SMR50:** 115 µl SALSA Hhal. Sufficient for 200 MS-MLPA reactions.

Basic UDI-DI

872021148HhalGP

Certificate of Analysis

Information regarding quality tests from the current sales lot is available at www.mrcholland.com.

Intended purpose

SALSA® Hhal is an in vitro diagnostic (IVD)* or research use only (RUO) restriction enzyme reagent to be used in combination with a SALSA® MLPA® Probemix, a SALSA® MLPA® Reagent Kit, and Coffalyser.Net™ analysis software for the detection of methylation changes at select CpG sites targeted by MS-MLPA probes as described in the MS-MLPA General Protocol.

* Please note that this reagent is for in vitro diagnostic (IVD) use in the countries specified at the end of this product description. In all other countries, the product is for research use only (RUO).

Instructions for use

See MS-MLPA General Protocol, available at www.mrcholland.com.

Ingredients

SALSA Hhal is a restriction endonuclease enzyme purified from non-hazardous micro-organisms, dissolved in a buffer with non-toxic antioxidant, glycerol and undisclosed ingredients.

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 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.

Precautions and warnings

For professional use only. Always consult the most recent product description AND the MS-MLPA General Protocol before use, available at www.mrcholland.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. Hhal is not known to contain any harmful agents.

Storage and shelf life

SALSA Hhal must be stored at -15°C to -25°C shielded from light and in the original packaging directly upon arrival. A shelf life until the expiry date is guaranteed, when stored in the original packaging under recommended conditions. For the exact expiry date, see the label on the vial. Do not use the product if the packaging is damaged or opened. Leave chemicals in original containers. Waste material must be disposed of in accordance with the national and local regulations.

Any serious incident that has occurred in relation to this product should be reported to MRC Holland and the competent authority of the Member State in which the user and/or the patient is located.

More information: www.mrcholland.com ; www.mrcholland.eu	
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	EUROPE COLOMBIA ISRAEL 
	ALL OTHER COUNTRIES

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Implemented changes in the product description
<p><i>Version 04 – 13 February 2026</i></p> <ul style="list-style-type: none"> - Intended purpose updated by removal of references to digitalMLPA products. - Information relating to digitalMLPA products removed from catalogue number section. - Product is now registered for IVD use in Israel. - Basic UDI-DI added. - Sentence related to reporting serious incidents to the Member States added. - Sentence related to trademarks added. <p><i>Version 03 – 11 January 2024</i></p> <ul style="list-style-type: none"> - Product is now registered for IVD use in Colombia. - Included a reference to the Hhal Certificate of Analysis. - Included safety data sheet section. - Updated storage and shelf life section. - Changed the order of the sections. - Minor textual and layout changes.