

MSI FFPE Reference Set (SID-000139) – Instructions for use

For Research Use Only

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Content

Product	REF
MSI 0 % FFPE Reference Standard (SID-000137)	SID-000139
MSI 16.67 % FFPE Reference Standard (SID-000138)	

Symbols

	Catalog number
	Lot number
	Use by
	Legal manufacturer
	Not for reuse
	Temperature limitations

Storage

MSI FFPE Reference Set should be stored at 2°C to 8°C upon arrival. MSI FFPE Reference Set is stable until the expiration date when stored under these conditions.

Intended Use

MSI FFPE Reference Set is intended as commutable, qualitative control material for microsatellite instability (MSI) markers in FFPE format based on human cell lines. It was developed and manufactured as a control material to imitate human FFPE embedded tissue as closely as possible. Cells were fixed with Formalin and embedded in Paraffin (FFPE = Formalin Fixed Paraffin Embedded). The embedded tissue blocks were cut in such a way that the resulting cuts curl up.

Intended application is:

- Extraction process validation
- Control in workflow validation
- Development, validation and verification of NGS and PCR protocols as well as qualification of instruments

Protocol: MSI FFPE Reference Set

Preparation: Allow the product vials contained in the MSI FFPE Reference Set to come to room temperature (~15-25 °C) before use. Avoid contamination of the product when opening and closing the vial (see Warnings and Precautions).

- Open the tube by twisting and lifting the lid and extract the DNA according your extraction protocol.
- If the extraction is not done in the product tube, please remove carefully the curl without destruction by using a suitable forceps (e.g. anatomic forceps or other with flat tip).

Technical Assistance

Our Technical Service Assistance is staffed by experienced scientists with extensive practical and theoretical expertise with our products. If you have any questions or experience any difficulties regarding the MSI FFPE Reference Set or SensID GmbH products in general, please do not hesitate to contact us.

SensID GmbH customers are a major source of information regarding advanced or specialized uses of our products. This information is helpful to other scientists as well as to the researchers at SensID GmbH. We therefore encourage you to contact us if you have any suggestions about product performance or new applications and techniques.

For technical assistance and more information, please see our website www.sens-id.com or call one of the SensID GmbH Technical Service Assistance.

Product Use Limitations

Attention should be paid to expiration dates and storage conditions printed on the box and labels of all components. Do not use expired or incorrectly stored components. Check primary packaging before first opening. Do not use products from damaged primary packaging.

Quality Control

In accordance with SensID's Quality Management System, each lot of MSI FFPE Reference Set is tested against predetermined specifications to ensure consistent product quality.

Warnings and Precautions

Caution: Use the required protective clothing and observe hygiene when using the set. The product contains immortalized and formalin-fixed paraffin embedded cells from cell lines categorized into biosafety level 1. Use universal precautions for handling reference materials and human specimens as recommended by Health Care Infection Control Practices Advisory Committee (HICPAC) in the guidelines from 2007 (Siegel et al., 2007). The safety precautions include the following rules:

- Mechanical pipetting only (no mouth pipetting allowed).
- Safe sharps handling.
- Avoidance of splashes or aerosols (by working under a clean bench/safety hood).
- Daily decontamination of all work surfaces when work is complete.
- Hand washing & disinfection.
- Prohibition of food, drink and smoking materials in lab setting.
- Personal protective equipment, such as: eye protection, gloves and a lab coat or gown.
- Consult package insert instructions for use.
- Do not use beyond expiration date.
- Vials are intended for single use only; remaining reagents after first use should be discarded.
- For more safety information, please consult the appropriate material safety data sheets (MSDS).

Equipment and Reagents to be Supplied by User

- Pipets (adjustable)¹
- Sterile pipet tips with filters
- Forceps if needed

¹ Ensure that instruments have been checked and calibrated according to the manufacturer's recommendations.

