

Plasma 2x (human-tech) DNA free Kit (SID-0006)

– Instructions for use

For Research Use Only

SensID Bringing Precision to Molecular Diagnostics

Every diagnostic test as well as R&D needs references and controls. SensID GmbH manufactures High Quality Reference Materials / Controls for Molecular Diagnostics.








Our mission is to provide certified standards ready for your needs in the highest quality to ease your processes

For more information visit www.sens-id.com

Kit Content

Product	Catalog No.
Plasma 2x (human-tech) DNA free	SID-0001
Plasma 2x (human-tech) DNA free Dilution Buffer	SID-0005

Symbols

	Catalog number
	Lot number
	Use by
	Legal manufacturer
	Not for reuse
	Temperature limitations
	GHS07: Harmful

Storage

The Plasma 2x (human-tech) DNA free Kit should be stored at 2°C to 8°C upon arrival. DO NOT FREEZE. The Plasma 2x (human-tech) DNA free Kit is stable until the expiration date when stored under these conditions.

Intended Use

The Plasma 2x (human-tech) DNA free Kit contains a 2-fold concentrated human-tech plasma and a buffer for dilution. This plasma is human DNA free.

The Kit is intended to use:

1. As No Template Control (NTC)
2. For spike-in experiments with individual cfDNA / ctDNA.
3. For spike-in experiments with individual Plasma components of your research area

After reconstitution it contains all relevant components of human plasma after a blood draw and plasma separation:

1. Human serum proteins in common plasma concentrations
2. Electrolytes
3. EDTA

EDTA concentration in all plasma products complies with the recommendations of ICSH (International Council Society of Haematology) and the CLSI (Clinical and Laboratory Standards Institute) for EDTA in blood collection tubes.

Protocol: Mixing the Plasma 2x (human-tech) DNA free with a spike-in solution of your choice

Important point before starting:

- It is recommended to centrifuge SID-0001 and SID-0005 briefly to avoid liquid holding back in the lid of the vial!
- To avoid contaminations in the vial, work in clean environment (e.g. laminar flow hood)
- The starting volume of Plasma 2x (human-tech) DNA free (SID-0001) is 2.5 ml. To achieve a final volume of

5.0 ml, use your individual Plasma components (e.g. cfDNA / ctDNA) up to a volume of 2.5 ml and the provided Plasma 2x (human-tech) DNA free Dilution Buffer (SID-0005) e.g.:

	2.5	ml	SID-0001
+	0.1	ml	cfDNA / ctDNA
+	2.4	ml	SID-0005
	5.0	ml	final volume of 1-fold Plasma (human-tech) with cfDNA / ctDNA

1. Open Plasma 2x (human-tech) DNA free (SID-0001) and Spike-in individual Plasma components (provided by user)
2. Use Plasma 2x (human-tech) DNA free Dilution Buffer (SID-0005) to fill up to a volume of 5.0 ml.
3. Close the vial and vortex thoroughly to ensure a homogenous mixture before use.

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 Plasma 2x (human-tech) DNA free Kit or SensID 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 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 Plasma 2x (human-tech) DNA free Kit is tested against predetermined specifications to ensure consistent product quality.

Plasma 2x (human-tech) DNA free should appear as a clear to pale yellow liquid. Alterations in this appearance may indicate instability or deterioration of the product and vials should be discarded.

Warnings and precautions

When working with chemicals, always wear a suitable lab coat, disposable gloves, and protective goggles. For more information, please consult the appropriate safety data sheets (SDSs). These are available online in convenient and compact PDF format at www.sens-id.com/shop/plasma-human-tech/sid-plasma-2x-human-tech-dna-free-kit/, where you can find, view, and print the SDS for each SensID kit, kit component and other products.

Avoid contamination of the product when opening and closing the vial.

Equipment and Reagents to Be Supplied by User

- Pipets (adjustable)¹
- Sterile pipet tips with filters

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

