

Askenazim son cfDNA in Plasma (SID-0002) – 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

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Content

| Product | Catalog No. |
|-------------------------------|-------------|
| Askenazim son cfDNA in Plasma | SID-0002 |

Symbols

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

Storage

The Askenazim son cfDNA in Plasma should be stored at 2°C to 8°C upon arrival. DO NOT FREEZE. The Askenazim son cfDNA in Plasma is stable until the expiration date when stored under these conditions.

Intended Use

The Askenazim son cfDNA in Plasma contains a 1-fold concentrated human-tech plasma and a precisely defined concentration of cfDNA.

Intended application is:

1. DNA extraction control (e.g. instrument qualification)
2. spike-in experiments with synthetic cfDNA
3. Control in workflow validations

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: Askenazim son cfDNA in Plasma

Important point before starting:

- *It is recommended to centrifuge SID-0002 briefly to avoid liquid holding back in the lid of the vial!*
- *Mix by pipetting up and down 10 times to obtain a homogeneous suspension. Do not vortex!*
- *To avoid contaminations in the vial work in clean environment (e.g. laminar flow hood)*

- DNA purified from a reference cell line, GM24385
- The purified DNA is present in Plasma (human-tech) at a fragment size of 167 bp $\pm 10\%$
- Product is ready to 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 Askenazim son cfDNA in Plasma 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 Askenazim son cfDNA in Plasma is tested against predetermined specifications to ensure consistent product quality.

Askenazim son cfDNA in Plasma 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 <https://www.sens-id.com/shop/plasma-human-tech-cfdna-ctdna-en/sid-plasma-human-tech-cfdna-ctdna-wt/> where you can find, view, and print the SDS for each SensID GmbH products, kit component and other products.

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

CAUTION: Handle as though it is capable of transmitting infectious agents. This product is formulated using the cell line GM24385, which is a B-lymphocytic, male cell line from the Personal Genome Project offered by the NIGMS Human Genetic Cell Repository (<https://catalog.coriell.org/1/NIGMS>).

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.

