

## Nucleosome ctDNA (human, BDXXP4) (SID-000128) – 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](http://www.sens-id.com).

### Content

| Product                          | Catalog No. |
|----------------------------------|-------------|
| Nucleosome ctDNA (human, BDXXP4) | SID-000128  |

### Symbols

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

### Storage

The product should be stored at 2°C to 8°C upon arrival. DO NOT FREEZE. The product is solved in TE buffer (Tris-EDTA (10 mM Tris, 1mM EDTA), pH 8,0, and stable until the expiration date when stored under these conditions.

### Intended Use

The product is designed for use in **liquid biopsy** with the **intended application**:

1. For spike-in experiments
2. Control with very low noise background in workflow verification / validation
3. Validation and development of sequencing protocols and PCR protocols with regard to Limit of Blank (LOB) determination
4. Analyze the performance of your NGS pipeline

### Protocol: Nucleosome ctDNA (human, BDXXP4)

Important point before starting:

- It is recommended to centrifuge SID-000128 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)
- Mix by pipetting up and down 10 times to obtain a homogeneous suspension. Do not vortex!
- No further purification or DNA isolation steps needed
- DNA purified from a proprietary lymphoblastoid wildtype cell line, BDXXP4
- The purified DNA is present in n-ctDNA (human) at a fragment size of 137-167 bp

### 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 particular product 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](http://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 Nucleosome ctDNA (human, BDXXP4) is tested against predetermined specifications to ensure consistent product quality. The product should appear as a clear 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/cfdna-ctdna-en/nucleosome-ctdna-human-bdxxp4/> 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 a proprietary cell line, which is a B-lymphocytic, female cell line.

### Equipment and Reagents to Be Supplied by User

- Pipets (adjustable)
- Sterile pipet tips with filters

