

## INSTRUCTIONS FOR USE

### INTENDED USE

Streck Urine Preserve is a liquid reagent intended to stabilize nucleic acid targets in urine for up to 7 days when stored from 6 °C to 37 °C.

**This product is for Research Use Only. Not for use in diagnostics procedures.**

Each single use container (5ml) is intended to stabilize one urine sample. The preservative is capable of stabilizing 25ml to 100ml of urine.

### SUMMARY AND PRINCIPLES

Accurate analysis of nucleic acid targets in urine can be compromised by the stresses of sample storage, handling, shipping, and processing. Urine itself contains nucleases and bacteria that can lead to compromised samples. Stabilization of cellular targets in urine at the time of collection ensures integrity of nucleic acid targets for downstream analysis.

Nucleic acids in urine are both cell-free, and cell or particle associated. Non-cellular components such as viral particles, extracellular vesicles, and protein associated complexes are also known to carry nucleic acids.

Limiting changes in all nucleic acid targets in urine results in the maintenance of the collection-time nucleic acid analytes for up to 7 days when stored 6 °C to 37 °C.

### REAGENTS

Streck Urine Preserve contains cell-preservative, EDTA, and a PCR-compatible blue dye in a liquid medium.

### PRECAUTIONS

1. **For Research Use Only. Not for use in diagnostic procedures.**
2. Each facility must determine proper disposal methods to comply with local regulations. SDS can be obtained at [streck.com](http://streck.com), by calling +1 402-691-7510, or by calling your local supplier.
3. Avoid contact with skin and mucous membranes.
4. Do not ingest.
5. Do not use reagents after the expiration date.
6. Product is intended for use as supplied. Do not perform any dilution or alteration of reagent other than as prescribed under the INSTRUCTIONS FOR USE.
7. All biological specimens and materials coming in contact with them are considered biohazards and should be treated as if capable of transmitting infection. Dispose of in accordance with local regulations. Avoid contact with skin and mucous membranes.

### STORAGE AND STABILITY

1. Store unused plastic containers out of direct light to prevent fading of the blue additive dye.
2. When stored at 2 °C to 30 °C, unused Streck Urine Preserve is stable through expiration date.
3. Short-term storage from 2 °C to 40 °C is acceptable for unused plastic containers of Streck Urine Preserve for up to 14 days.
4. Proper insulation may be required for shipment during extreme temperature conditions.
5. Urine samples with the addition of Streck Urine Preserve are stable for up to 7 days when stored between 6 °C to 37 °C.

### INDICATIONS OF PRODUCT DETERIORATION

1. Cloudiness or precipitate visible in reagent of unused vials.
2. If indications of product deterioration occur, contact Streck Technical Services at +1 402-691-7510 or [technicalservices@streck.com](mailto:technicalservices@streck.com).

### INSTRUCTIONS FOR USE

1. Collect urine sample according to your institutional best practices.  
**Note:** Collection must occur in an untreated urine collection device. Introduction of other reagents may interfere with the stabilization activity of Streck Urine Preserve.
2. Add the entire contents of the container to the urine sample. Each container holds 5ml of reagent. This volume is sufficient to preserve a urine sample comprised of 25ml to 100ml.  
**Add the reagent to the specimen within two hours of collection.**
3. Mix urine sample and preservative by gentle inversion 3 to 5 times.
4. After collection, transport and store preserved urine samples within the recommended temperature range (6 °C to 37 °C).

### Nucleic Acid Extraction:

Extraction of nucleic acid targets can generally be accomplished with commercially available kits. For optimal results, include a Proteinase K treatment step ( $\geq 30\text{mAU/ml}$  digest) at 60 °C in the presence of chaotropic salts for 1 hour.

### REFERENCES

1. Clinical and Laboratory Standards Institute. GP16-A3, Urinalysis: Approved Guideline - Third Edition. 2009.
2. Clinical and Laboratory Standards Institute. MM13-A, Collection, transport, preparation, and storage of specimens for molecular methods; Approved Guideline. 2005.

### ORDERING INFORMATION

Please call our Customer Service Department at +1 402-333-1982 for assistance. Additional information can be found online at [streck.com](http://streck.com).

### GLOSSARY OF SYMBOLS

See the Instructions (IFU) tab under Resources on the product page at [streck.com](http://streck.com).

See [streck.com/patents](http://streck.com/patents) for patents that may be applicable to this product.

