

REF **BIO86RTSTB**



ARGUTUS MEDICAL

Rat Urine Stabilising Buffer

Instructions for Use

FOR RESEARCH USE ONLY
Not for use in Diagnostic Procedures

TABLE OF CONTENTS

INTENDED USE	2
BACKGROUND	2
COMPONENTS	2
PRECAUTIONS	2
STABILITY AND STORAGE	3
SAMPLE COLLECTION	3
SAMPLE HANDLING AND STORAGE	3
OTHER ARGUTUS MEDICAL ASSAYS	4

INTENDED USE

The Rat Urine Stabilising Buffer is intended for the stabilisation of GST in rat urinary samples prior to testing using the Argutus Medical Rat Alpha GST EIA, GST Yb1 EIA or the Rat RPA-1 EIA kits.

BACKGROUND

In the absence of Rat Urine Stabilising Buffer freezing can reduce GST levels in urine by up to 70% as measured by EIA. This decline in urinary GST is most likely due to denaturation during the freeze-thaw cycle.

COMPONENTS

1. Urine Stabilising Buffer

Contains Thiomersal and sodium azide (10mL).

READY TO USE

BUF	NEPH
-----	------

2. Instructions For Use

INS

PRECAUTIONS

SAFETY

- The Argutus Medical Rat Alpha GST EIA, GST Yb1 EIA and Rat RPA-1 EIA kits are for research use only, not for diagnostic procedures.
- Rat Urine Stabilising Buffer contains Thiomersal, which may be toxic if ingested.

- Rat Urine Stabilising Buffer contains sodium azide, which may form potentially explosive metal azides with lead and copper plumbing. For disposal, reagents should be flushed with large volumes of water to prevent azide build up.
- Dispose of all clinical specimens, infected or potentially infected material in accordance with good laboratory practice. All such materials should be handled and disposed as though potentially infectious.
- Wear protective clothing, disposable latex gloves and eye protection while preparing and handling specimens. Wash hands thoroughly when finished.
- Do not pipette materials by mouth and never eat or drink at the laboratory workbench.
- **WARNING:** This product contains a chemical known to the State of California to cause birth defects or other reproductive harm (California Prop 65: Thiomersal).

PROCEDURAL PRECAUTIONS

- Do not use Rat Urine Stabilising Buffer past its expiry date.
- Deviation from the protocol provided may cause erroneous results.
- Care must be taken not to contaminate components and always use fresh pipette tips for each sample and component.
- Do not use Rat Urine Stabilising Buffer that contains precipitated material or is cloudy in appearance.
- Allow Rat Urine Stabilising Buffer to come to room temperature (20-25°C). Mix well prior to use.
- Avoid leaving Rat Urine Stabilising Buffer in direct sunlight and/or above 2-8°C for extended periods.
- Always use clean, preferably disposable, glassware for all reagent preparation.

STABILITY AND STORAGE

Rat Urine Stabilising Buffer should be stored at 2-8°C and is stable as supplied until the expiry date shown.

SAMPLE COLLECTION

As soon as possible after sample collection, add 100µl of Rat Urine Stabilising Buffer to 400µl urine (4/5 dilution of sample), even if the samples are not to be stored.

SAMPLE HANDLING AND STORAGE

Do not store samples without the addition of Rat Urine Stabilising Buffer. Rat Urine Stabilising Buffer must be added within 12 hours of sample collection.

It is recommended that samples are assayed as soon as possible after collection. However, after the addition of Rat Urine Stabilising Buffer, samples can be stored 2-

8°C for 48 hours or at -20°C for 28 days. Repeated freeze thawing should be avoided.

OTHER ARGUTUS MEDICAL ASSAYS

Pancreatic Injury Testing Service

Catalogue No	Product Name	Description
TEST BBU	Trypsinogen Activation Peptide (TAP) EIA	TAP in human and mammalian urine and tissue

Animal Organ Damage Biomarkers

Catalogue No	Product Name	Description
BIO76YB1	Rat Yb1 GST EIA	GSTYb1 (μ GST) in rat urine
BIO89RPA1	RPA-1 EIA	Renal papillary antigen 1 in rat urine
BIO87CD	RPA-1 Antibody	Antibody to rat collecting duct
BIO88LH	RPA-2 Antibody	Antibody to rat loop of henle

Human Organ Damage Biomarkers

Catalogue No	Product Name	Description
BIO66NEPHA	NEPHKIT® Alpha GST EIA	α GST in human urine
BIO60HEPA	HEPKIT® Alpha GST EIA	α GST in human serum and plasma
BIO60HEPAS	High Sensitivity Alpha GST EIA	α GST in human serum, plasma and tissue
BIO85	Pi GST EIA	π GST in human urine and plasma
BIO83	Urinary Collagen IV EIA	Collagen IV in human urine
BIO82	Serum Collagen IV EIA	Collagen IV in human serum
BIO81DNA	OxyDNA Test	Fluorescence method for the detection of oxidative DNA damage in cell suspensions



ARGUTUS MEDICAL

**Argutus Medical Ltd.
Unit 9 Trinity Technology & Enterprise Campus,
Pearse Street,
Dublin 2,
Ireland**

Tel: +353 1 670 8576

Fax: +353 1 670 8575

info@argutusmed.com

<http://www.argutusmed.com>

Document code RSB-457-01
06/09