Buffer for Urine

Directions for Use, 101310/01 (EN)
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INTENDED USE

The Buffer for Urine is intended for rapid dissolvation of precipitates in urine. For laboratory use only.

SUMMARY AND EXPLANATION

Precipitates of various colours and shapes that usually occur in urine samples, especially after freezing, can bind large quantities of substances such as proteins. Buffer for Urine rapidly dissolves precipitates appearing in urine samples and release of several valuable proteins and low molecular weight substances, making them available for analysis or further treatment. For example, it has been found that up to 85% of the glycoprotein hormone erythropoietin (EPO) in urine is bound to the precipitates[1], but can be released by the use of the Urine precipitate dissolvation buffer. This makes it easier for example when using affinity purification.

REAGENTS

Art No	Name and Contents		
1400	Buffer for Urine, 4x30 mL		
	Contains reagents sufficient for 2L urine		
	Contents:		
	4x Buffer for Urine, 30 mL [(a)]	Ready for use	101300

[(a)] Contains < 0.1% sodium azide

Storage and Shelf Life

Store all components at +4-8˚C. Do not freeze components. For expiration dates, see the product labels.

Precautions

- Not for internal or external use in humans or animals. Not for *in vitro* diagnostic use.
- Do not use reagents beyond their expiration dates.
- Contamination of reagents may yield incorrect results.
- Always use good laboratory procedures when handling the product and wear suitable protective clothing.
- Human body fluid must be handled and treated as potentially infectious agent.

Warning! Products that contain sodium azide as a preservative must be handled with care. Sodium azide may react with lead and copper plumbing to form highly explosive metal azides. On disposal, flush with a large volume of water to prevent azide build-up. Please refer to decontamination procedures as outlined by Centers of Disease Control and Prevention (CDC) or other local/national guidelines.

MATERIALS

Equipment and materials required but not provided by MAIIA Diagnostics:

- 0.45 µm HPF Millex HV filter (Cat no SLHVM25NS, Millipore)

PREPARATION OF URINE SAMPLE

1. Bring urine sample to room temperature.

2. Transfer urine sample with a preserved proportion of solid/liquid matters as in the original stock sample into a suitable vessel. Add 1 part Buffer for Urine (Art No 101300) to 20 parts sample. Mix gently.

3. Pre-filter the sample mixture through a filter:
   - For small volume, use 0.45 µm HPF Millex HV filter
   - For lager volume, filter sample mixture through 10-1 µm glass microfiber filter and then through a 0.45 µm filter.

WARRANTY

Information presented here is accurate to the best of our knowledge. It is the responsibility of the user to verify the suitability of the supplied materials and procedures for a particular purpose. In this respect, further processing made by the user may affect the results, in which event MAIIA AB disclaims all warranties expressed, implied or statutory, including the implied warranty of merchantability and fitness for use. MAIIA AB and its authorised distributors, in such event, shall not be liable for damages indirect or consequential.

TRADEMARKS

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REFERENCES

[1]Lönnberg, M., Drevin, M., Carlsson, J. Journal of Immunological Methods 339(2), 236-244 (2008) Ultra-sensitive immunochromatographic assay for quantitative determination of erythropoietin.