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Version 2

EB buffer V.2

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Abstract

EB buffer ('Elution buffer', 10 mM Tris-HCl, pH 8.0) is used in various steps of sample preparation by the Ancient DNA Core Unit of the MPI-EVA.

Changes from v1

- Added the table with reagent details in the protocols section (Step 1). This was accidentally removed from version 1 before publishing.

Note

This protocol describes the preparation of 500 ml EB buffer.

Materials

	Reagent/consumable	Supplier	Catalogue number
	Reagents		
	Water	Sigma Aldrich/Merck	1153332500
	1 M Tris-HCl, pH 8.0	AppliChem	A4577,1000
	Consumables		
	5 ml serological pipet	Corning BV	357543
	50 ml serological pipet	Corning BV	357550
	Square media bottle 500 ml	VWR	391-0630

Equipment

- Automated pipetting aid for glass pipette

Protocol

1. Prepare the buffer in a 500 ml square media bottle by adding the following reagents. Use the glass pipette for transfer of large volumes (> 1 ml). Mix reagents by shaking the bottle.

	Reagent	Volume	Final concentration in reaction
	Water	495 ml	
	1 M Tris-HCl, pH 8.0	5 ml	10 mM
	<i>sum</i>	<i>500 ml</i>	

**Note****[Labeling]**

Label the bottle with the buffer name, batch ID, date and the initials of the person who prepared the buffer.

Attention: Every single bottle prepared at the same day gets a new batch ID. Name the batches with Roman numerals (e.g. batch I, batch II, etc.)

Note**[Note]**

It is also acceptable to use the scale of the bottle to fill up to ~400 ml with water, then adding the remaining 95 ml using the glass pipette.

2. Review the protocol in which the buffer is used to determine whether the buffer should be decontaminated using UV treatment. Instructions for using UV decontamination are provided in the Appendix.

Note**[Labeling]**

Label the bottle with the buffer name, batch ID, date and the initials of the person who prepared the buffer.

Attention: Every single bottle prepared at the same day gets a new batch ID. Name the batches with Roman numerals (e.g. batch I, batch II, etc.)

3. Store the buffer at room temperature until used. Shelf life is at least one year from preparation.

Note**[Documentation]**

Note the lot numbers, date and initials written on the reagents used for buffer preparation in Labfolder (orange fields).

Appendix



Document

NAME

UV decontamination of materials

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Preview

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UV decontamination of reagents/buffers

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Preview