

JAN 29, 2024

TET buffer

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#### **ABSTRACT**

TET buffer (10 mM Tris-HCl, 1 mM EDTA, 0.05% Tween-20, pH 8.0) is used in various steps of sample preparation by the Ancient DNA Core Unit of the MPI-EVA.





#### DOI:

dx.doi.org/10.17504/protocols.io. 3byl4qy8ovo5/v1

**Document Citation: Sarah** Nagel, Anna Schmidt, Matthias Meyer 2024. TET buffer . protocols.io https://dx.doi.org/10.17504/protoc

ols.io.3byl4qy8ovo5/v1

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Created: Jan 18, 2024

Last Modified: Jan 29, 2024

**DOCUMENT integer ID: 93741** 

Oct 29 2024



#### **Funders Acknowledgement:**

Max Planck Society

#### Note

This protocol describes the preparation of 500 ml buffer.

## **Materials**

Reagents/consumables	Supplier	Catalogue number	
Reagents			
Water	Sigma Aldrich/Merck	1153332500	
1 M Tris-HCl, pH 8.0	AppliChem	A4577,1000	
0.5 M EDTA, pH 8.0	AppliChem	A4892,1000	
Tween-20	Thermo Fisher Scientific	11417160	
Consumables			
Square media bottle 500 ml	VWR	391-0630	
50 ml serological pipette	Corning BV	357550	
5 ml serological pipette	Corning BV	357543	

# **Equipment**

Automated pipetting aid for glas 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	494 ml	
0.5 M EDTA, pH 8.0	1 ml	1 mM
1 M Tris-HCl, pH 8.0	5 ml	10 mM
100% Tween-20	250 μΙ	0.05%
Sum	500 ml	

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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  $\sim$ 94 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 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**

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