

## Product Sheet

## Buffer EL

## Contents

## Buffer EL (2 x 250 mL)

Catalog no.	79218	79218	79218
Number of preparations	70 (for 1 mL sample volume)	23 (for 3 mL sample volume)	8 (for 10 mL sample volume)

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Buffer EL	2 x 250 mL	2 x 250 mL	2 x 250 mL
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## Version 1

IVD

CE

REF

79218



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## Materials Required but Not Provided

- Laboratory centrifuge with a swinging bucket rotor (capable of  $\geq 400 \times g$  at  $4^{\circ}\text{C}$ )
- 50 mL centrifuge tubes
- Disposable gloves

Ensure that instruments have been checked and calibrated according to the manufacturer's recommendations.

## Shipping and Storage

Buffer EL (2 x 250 mL) is shipped at ambient condition and must be stored upright at room temperature ( $15\text{--}25^{\circ}\text{C}$ ).

When stored under the specified storage conditions, the Buffer EL is stable until the stated expiration date on the label.

Once opened, reagents can be stored in their original packaging at room temperature ( $15\text{--}25^{\circ}\text{C}$ ) for up to 3 months, but not longer than the expiration date on the label.

Do not use if stored outside the specifications, if the packaging has been damaged, or if other signs of deterioration or malfunction are visible.

## Symbols



This product fulfills the requirements of the European Regulation (EU) 2017/746 for in vitro diagnostic medical devices (IVDR).



In vitro diagnostic medical device



Catalog number



Material number



Lot number



Global Trade Item Number



Unique Device Identifier



Lysis



Buffer

**Rn**

R is for revision of the Product Sheet and n is the revision number

**Vn**

V is for version of the Product Sheet and n is the version number



To be used by



Temperature limitations



Legal manufacturer



Consult instructions for use



This way up

## Intended Use

The Buffer EL (Erythrocyte Lysis Buffer) is intended for the selective lysis of erythrocytes from human blood and bone marrow aspirates.

The product is intended to be used by professional users, such as technicians and physicians, who are trained in molecular biological techniques.

The Buffer EL is intended for laboratory use.

## Description

Since blood or bone marrow aspirates contain up to 1000 times more erythrocytes than leukocytes, removing the erythrocytes simplifies subsequent steps such as RNA isolation. Buffer EL lyses erythrocytes selectively to achieve this. Erythrocytes are more susceptible than leukocytes to hypotonic shock and burst rapidly in the presence of a hypotonic buffer. The conditions for selective lysis of erythrocytes have been optimized to allow fast removal of erythrocytes without affecting the stability of the leukocytes. Intact leukocytes can then be recovered by centrifugation. Buffer EL can be used for erythrocyte lysis of whole blood or bone marrow aspirate samples, depending on the downstream application.

Please consult the respective instructions for use of the respective downstream application for detailed instructions on handling of this product and procedure within the corresponding workflow.

## Safety Information

Please be aware that you may be required to consult your local regulations for reporting serious incidents that have occurred in relation to the device to the manufacturer and the regulatory authority in which the user and/or the patient is established. When working with chemicals, always wear a suitable lab coat, disposable gloves, and protective goggles. For more information, please consult the appropriate safety data sheets (SDSs). These are available online in convenient and compact PDF format at [www.qiagen.com/safety](http://www.qiagen.com/safety), where you can find, view, and print the SDS for each QIAGEN® kit and kit component.

Specimens and samples are potentially infectious. Discard sample and assay waste according to your local safety procedures.

Buffer EL is not classified as hazardous. No specific hazard and precautionary statements apply to Buffer EL.

## Emergency information


CHEMTREC

USA & Canada: 1-800-424-9300

Outside USA & Canada: +1 703-527-3887

## General precautions

Discard product and any waste according to your local regulations.

<p><b>CAUTION</b></p> 	<p>Used product and product waste may contain infectious material.</p>
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## Quality Control

In accordance with QIAGEN's ISO-certified Quality Management System, each lot of the Buffer EL is tested against predetermined specifications to ensure consistent product quality.

## Limitations

This product may only be used in conjunction with QIAGEN kits referring to its use in the respective instructions for use (handbook). It is the user's responsibility to validate system performance for any procedures used in their laboratory according to local requirements, laws, and regulations.

## Active Ingredients

There are no active ingredients in Buffer EL. The buffer enables erythrocyte lysis by a physical principle (osmosis) providing a hypotonic environment.

## Procedure

Buffer EL should be used following the instructions given in the Instructions for Use (IFU) of the products that require the erythrocyte lysis procedure with Buffer EL. For specimen collection, handling, and storage conditions, also refer to the downstream application's IFU.

**Note:** Performance characteristics for the Buffer EL have only been established in conjunction with the associated QIAGEN products.

## Ordering Information

Product	Contents	Cat. no.
Buffer EL	2 x 250 mL	79218

## Document Revision History

Date	Changes
07/2023	Initial release

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