

*Hướng dẫn sử dụng tiếng Anh*  
***Tài liệu được xác nhận bằng chữ ký số***

*Hà Nội, ngày 11 tháng 05 năm 2022*

**Người đại diện hợp pháp của cơ sở**

**GIÁM ĐỐC**

**Trần Thị Mai Phương**

# Buffer Solution (Tablets)

## Intended use:

This buffer is suitable for different staining applications, such as Giemsa, Wright, Wright-Giemsa, May-Grunwald's, May-Grunwald's Giemsa, Leishman... etc.

## Principle:

The pH fluctuation of distilled water is caused by carbon dioxide in the atmosphere and detergent residue on the equipment. Acidic distilled water will make the staining reddish, while alkaline distilled water will make the staining bluish.

Distilled water can be stabilized by adding buffer. After adding this buffer mixture, the pH value is automatically adjusted to the desired value.

Use buffer solutions for blood smear staining to obtain reproducible staining results.

## Specifications:

Catalog No.	4Btlx1000ml (BUF-040/ pH6.8) (BUF-140/ pH7.2)	5L (BUF-050/ pH6.8) (BUF-150/ pH7.2)	Tablets		Components
			pH6.8/ 50pcs (B68-050)	pH7.2/ 50pcs (B72-050)	
Buffer Solution	4x1000ml	5L	-	-	Phosphate
Buffer Tablet	-	-	50 pcs	50 pcs	Phosphate

\* The following catalog No. are applicable to this manual:  
BUF-020, BUF-030, BUF-120, BUF-130, B68-100, B72-100

## Storage & Expiry date:

- The original packaging unopened buffer solution is valid for 24 months. Once opened, use it up as soon as possible. This buffer solution should be stored at a relative humidity of less than 80%, non-corrosive gas and ventilated room temperature environment.
- The original packaging unopened buffer tablet is valid for 36 months. The buffer tablet bottle must be kept tightly closed at all times. It is best to store in a dry room temperature environment.

## Test procedure:

- **Preparation of buffer solutions with tablets:**  
Put 1 buffer tablet into a clean bottle containing 1000 ml of distilled water. Mix gently until completely dissolved, set aside for later use.
- **Smear staining:**
  1. Choose different pH buffers according to different staining methods.
  2. Follow the protocol for different staining methods to perform the staining steps. Please refer to the instruction manual of the staining product.

## Precaution:

1. Buffer solution is ready to use.
2. The pH of the buffer should be  $6.8 \pm 0.1$  or  $7.2 \pm 0.1$ .
3. After buffer tablet is dissolved, the buffer solution should be used up as soon as possible.
4. Tightly cap the reagent bottle immediately after use to avoid contamination.
5. The reagent is for in vitro diagnosis only.
6. Wastes should be disposed with care as biohazardous materials by following local EPA guidelines.

**Index of symbols:**

<b>Symbol</b>	<b>Meaning</b>
	In vitro diagnostic medical device
	Manufactured by
	Temperature limitation
	Use by
	Batch code
	Consult instruction for use

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