

# Instructions For Use

## JSS-IFU

 Rev. Date: Jan. 4<sup>th</sup>, 2019

Revision: 1

Page 1 of 2

 P.O. Box 3286 - Logan, Utah 84323, U.S.A. - Tel. (800) 729-8350 – Tel. (435) 755-9848 - Fax (435) 755-0015 - [www.scytek.com](http://www.scytek.com)

# Jenner Stock Solution

**Description:** Jenner Stock Solution is intended to be used for differential staining of blood smears, bone marrow and blood parasites. This reagent is used in combination with Phosphate Buffer Solution pH 6.8 (cat# PBM) to make a working solution.

**Blood Smear Expected Results**

**Neutrophils:** Violet nuclei with dark violet granules and pink cytoplasmic granules

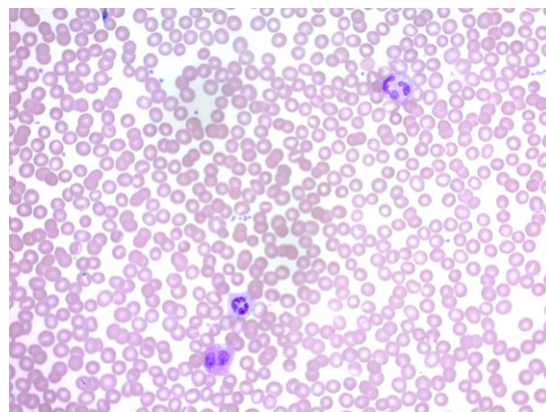
**Eosinophils:** Violet nuclei with dark violet granules and bright red cytoplasmic granules.

**Monocytes:** Violet nuclei with light blue cytoplasm.

**Lymphocytes:** Violet nuclei with dark violet granules and light blue cytoplasm.

**Basophils:** Violet nuclei with light blue cytoplasm.

**Erythrocytes:** Pink to yellowish-red.



Note: Nuclei will stain more of a Violet-Purple as the solution ages.

**Uses/Limitations:** For research use only.  
 Hematology applications.  
 Do not use past expiration date.  
 Use caution when handling these reagents.

**Control Tissue:** Blood smear on clean slide.


**Availability/Contents:**

<u>Item #</u>	<u>Description</u>	<u>Volume</u>	<u>Storage Conditions</u>
JSS500	Jenner Stock Solution	500 ml	Room Temperature
JSS999	Jenner Stock Solution	1000 ml	Room Temperature

**Required but not included:**

<u>Item #</u>	<u>Description</u>	<u>Volume</u>	<u>Storage Conditions</u>
PBM500	Phosphate Buffer Solution (pH 6.8)	500 ml	Room Temperature
MTH500	Methanol, Absolute	500 ml	Room Temperature
DDH3800	Water, Deionized/Distilled	1 Gallon	Room Temperature

**Precautions:** Avoid contact with skin and eyes.  
 Flammable.  
 May be fatal or cause blindness if swallowed.  
 Poison.  
 Follow all Federal, State, and local regulations regarding disposal.  
 Use in chemical fume hood whenever possible.

Storage: 18° C  25° C

Instructions For Use		
JSS-IFU		
Rev. Date: Jan. 4 <sup>th</sup> , 2019	Revision: 1	Page 2 of 2

P.O. Box 3286 - Logan, Utah 84323, U.S.A. - Tel. (800) 729-8350 – Tel. (435) 755-9848 - Fax (435) 755-0015 - [www.scytek.com](http://www.scytek.com)

### Preparation of Reagents Prior to Beginning:

1. Prepare **Working Jenner Stain Solution** by mixing 5ml of Jenner Stock Solution (cat# JSS) with 7.5ml of Phosphate Buffer Solution, pH 6.8 (cat# PBM), and 17.5ml Distilled Water

### Procedure (Standard):

1. Smear a small drop of blood on a clean microscope slide and allow to air dry.
2. Fix by placing in absolute Methanol for 5 minutes.
3. Stain slides in Jenner Stock Solution for 2 minutes.
4. Place slide in staining tray and flood with Working Jenner Stain Solution for 5 minutes.
5. Rinse slide very briefly in deionized/distilled water and air dry at room temperature.
6. Dip slide several times in Xylene or Xylene Substitute.
7. Mount in synthetic resin.