

## Jenner's Stain

Cat. No.:	HY-D0954
CAS No.:	62851-42-7
Target:	Fluorescent Dye
Pathway:	Others
Storage:	4°C, sealed storage, away from moisture and light * In solvent : -80°C, 6 months; -20°C, 1 month (sealed storage, away from moisture and light)

## Jenner's Stain

### BIOLOGICAL ACTIVITY

<b>Description</b>	Jenner's Stain is a dye that is used in microscopy for staining blood smears. Jenner's Stain can be used for the chromosome stain by C-banding technique. Jenner's Stain can be used for the stain for routine blood examinations and malarial staining [1].
<b>In Vitro</b>	Jenner's Stain (10%) is used for the strain of wheat-rye hybrids e to obtain bands simultaneously on both the rye and the wheat B genome and 4A chromosomes <sup>[1]</sup> . In malarial blood the pigmented bodies of tertian fever and the crescent bodies of mstivo-autumnal fever are readily demonstrated with Jenner's stain <sup>[2]</sup> . With Jenner's stain, the nuclei of all the forms are stained a light blue and the cytoplasm a light pink <sup>[3]</sup> . With Jenner's stain, flooded with the stain for about three minutes and then washed by gentle agifation in a dish of distilled water until the specimen has attained a pink hue <sup>[3]</sup> . MCE has not independently confirmed the accuracy of these methods. They are for reference only.

### REFERENCES

- [1]. J. Hutchinson, et al. C-banding at meiosis as a means of assessing chromosome affinities in the Triticeae. Canadian Journal of Genetics and Cytology. August 1983.
- [2]. Hastings TW. A METHOD FOR PREPARING A PERMANENT NOCHT'S STAIN (NOCHT-JENNER STAIN). J Exp Med. 1905 Jun 10;7(3):265-78.
- [3]. Busch FC, et al. Dog's Blood.-Differential Counts of Leucocytes. J Med Res. 1902 Nov;8(2):408-414.1.

**Caution: Product has not been fully validated for medical applications. For research use only.**

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