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## Product Data Sheet

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Product Name: Leishman's stain

Cat. No.: GC66482

### Chemical Properties

Cas. No. 12627-53-1

Formula M.Wt

Solubility Storage Store at -20°C

General tips For obtaining a higher solubility , please warm the tube at 37 °C and shake it in the ultrasonic bath for a while. Stock solution can be stored below -20°C for several months.

Shipping Condition Evaluation sample solution : ship with blue ice All other available size: ship with RT , or blue ice upon request.

Structure

### Background

Leishman's stain is an essential staining tool for for staining of the peripheral blood and bone marrow smears (displayed pale bluish-grey to deep blue under oil-immersion lens)<sup>[1]</sup>.

Guidelines (Following is our recommended protocol. This protocol only provides a guideline, and should be modified according to your specific needs)<sup>[1]</sup>.

1. Prepare stock solution of Sorensen's buffer: Solution A.  $\text{Na}_2\text{HPO}_4 \cdot 2\text{H}_2\text{O}$  (9.5 g/L); Solution B.  $\text{KH}_2\text{PO}_4$  (9.1 g/L).
2. Cover the smear with Leishman stain for 2 min.
3. Add double volume of Sorensen buffer (6.8 pH) to the slide and mix gently for 15 min.
4. Wash off with running water and dry the smear (5 min).

[1]. S Gajendra, et al. Leishman and Giemsa stain: a new reliable staining technique for blood/bone marrow smears. Int J Lab Hematol. 2015 Dec;37(6):774-82.

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

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