

---

## MicroBlue® Pre-loaded Morphology Slides

MicroBlue slides are glass microscope slides loaded with a mix of Methylene-Blue and Cresyl-Violet for staining and morphology assessment of cells. MicroBlue slides allow quick visualization of sperm-head, acrosome and tail. World Health Organization and Kruger strict morphology assessments can be done using MicroBlue. The slides are also useful in microscopy of any cells or bacteria. MicroBlue slides can be used for the evaluation of cells in whole blood, urine, milk and vaginal-smears. The slides are suitable for differentiation of white blood cells in peripheral blood, cytology of body fluids and evaluating sperm head acrosome size. The slides generate consistently high-quality cell staining efficiently.



---

## Directions

1. Apply 1-3 microliters of sample to the middle of the slide and place a cover slip. Gently apply pressure on the coverslip with a pen. For 22mm x 22mm coverslips use 1 $\mu$ l of sample or use 3 $\mu$ l for 24mm x 60mm coverslips
2. Heat slide with an ethanol flame or cigarette lighter for 5 seconds (flame must not touch slide). Instead of a flame the slide can be heated to 55°C in an incubator for 5 minutes. Alternatively, let the slide rest at room temperature for 15 minutes before microscopy.
3. Start analyses at the edges of the sample. Reliable results can be achieved up to 48 hours after staining.
4. EDTA is the recommended anticoagulant for venous blood. Oxalate, fluoride and heparinized blood may not be suitable.

---

## MicroBlue use notes

Cells do not swell or shrink  
Slide and cover slip may be sealed with nail polish and stored in the dark to archive the sample  
Please do not touch the dyed side of the slide  
Cells at the middle or point of sample addition may not stain due to dye being pushed out  
Cells tend to accumulate at the edges of the cover slip and are easier to visualize

---

## Cost

MicroBlue slides are sold in packs of 24-slides. MicroBlue slides cost \$45.08 per pack (or \$1.88 per slide). Volume discounts are available. For questions contact Cytonix at: [emailbox@cytonix.com](mailto:emailbox@cytonix.com).

---

## Buying

MicroBlue slides can be purchased at [www.Cytonix.com](http://www.Cytonix.com) or by calling 301-470-6267

---

### Copyright Cytonix LLC

The information in this document is believed to be correct on the date of issue. Judgments of the suitability of the information for the purchaser's purposes are the purchaser's responsibility. Although reasonable care has been taken in the preparation of this information, Cytonix extends no warranties, makes no representations, and assumes no responsibility as to the suitability of the information for the purchaser's application.

8000 Virginia Manor Rd, #130  
Beltsville, MD 20705, USA  
[www.cytonix.com](http://www.cytonix.com)  
[emailbox@cytonix.com](mailto:emailbox@cytonix.com)  
301.470.6267