



**astral**diagnostics  
Microbiology Product Line

[www.ethosbiosciences.com](http://www.ethosbiosciences.com)

# Our Products

Astral's microbiology portfolio includes a wide variety of biological stains and associated reagents that can be used in automated stainers or manual methods. Accurate diagnosis and eventual antibiotic treatment are often directly related to laboratory results. Gram stain solutions and Acid Fast stains provide brilliantly stained specimens, free of background staining, resulting in the accuracy level required by microbiology professionals.

## GRAM STAIN

- Gram Stain Decolorizer
- Gram Stain Decolorizer 1:1
- Gram Stain Decolorizer 75/25
- Gram Stain, Crystal Violet
- Gram Stain, Safranin
- Gram Stain Set, Traditional
- Gram Stain Set, Stabilized Iodine
- Gram Stain, Iodine, Stabilized
- Gram Stain Lugol's, WS, Iodine
- Gram Stain Iodine Replacement, Traditional
- Gram Stain Iodine Replacement, Stabilized

## IODINE

- Iodine, Lugol's Working Solution
- Lugol's Iodine Concentrate

## DYES & STAINS

- Gentian Violet 1%
- Gentian Violet 2%
- Toluidine Blue 1%
- Malachite Green
- Sternheimer-Malbin
- Methylene Blue 1%
- Methylene Blue, Loeffler
- Nuclear Fast Red
- Lactophenol Cotton Blue
- Alcian Blue

## ACID FAST STAINS

- AFB Kinyoun Set
- AFB Ziehl-Neelsen Set
- AFB, Replacement, BG Counterstain
- AFB Replacement, MB Counterstain
- AFB Replacement, Decolorizer
- AFB Replacement, Fuchsin Carbol

# Gram Stain

## Gram Stain, Decolorizer

Can be used with the Gram stain. FDA approved for in vitro diagnostic use.



Product	Catalog #	Size	Price
Gram Stain Decolorizer	6931-G	1 Gallon	\$97.25
Gram Stain Decolorizer Replacement	6504	4 x 16 oz	\$73.25
Gram Stain Decolorizer 1:1	6932-G	1 Gallon	\$99.25
Gram Stain, Decolorizer Replacement 1:1	6255	4 x 8 oz	\$44.75
Gram Stain, Decolorizer 75/25 Replacement	6505	4 x 16 oz	\$73.25
	6254-R	4 x 8 oz	\$44.75

## Gram Stain, Crystal Violet

Crystal Violet stains nuclei a deep purple color, aiding in their visualization. It can also be used to visualize colonies of cells. FDA approved for in vitro diagnostic use.

Catalog #	Size	Price
6501-32	32 oz	\$28.50
6928-G	1 Gallon	\$119.00
6501-R	4 x 16 oz	\$70.00

# Gram Stain

## Gram Stain, Safranin

Safranin is a counterstain used to stain nuclei red. Safranin is a traditional counterstain to the popular Gram stain. FDA approved for in vitro diagnostic use.

Catalog #	Size	Price
6256-08	8 oz	\$13.25
6256-16	16 oz	\$26.25
6933-G	1 Gallon	\$113.50
6506	4 x 16 oz	\$73.25

## Gram Stain Sets

The Gram stain set is used for the differential staining of bacteria. FDA approved for in vitro diagnostic use. Gram stain sets and component replacements are specifically formulated for differential staining of bacteria from cultures or patient specimens. Gram stain sets offer the laboratory a choice of stabilized iodine, premixed or traditional, non-stabilized iodine and are in a variety of sizes to meet the needs of laboratory personnel.



Product	Catalog #	Size	Price
Gram Stain Set, Traditional	6500	4 x 8 oz	\$71.25
Gram Stain Set, Stabilized Iodine	6520	4 x 16 oz	\$100.50
	6600	4 x 8 oz	\$79.00
	6400	4 x 16 oz	\$110.00

# Gram Stain

## Gram Stain Lugol's, WS, Iodine

Lugol's Iodine is used in the Gram staining protocol.

Catalog #	Size	Price
6929	1 Gallon	\$129.75

## Iodine Replacement

Stabilized Iodine is pre-mixed, ready-to-use iodine. Traditional Iodine consists of ingredients to prepare fresh iodine. FDA approved for in vitro diagnostic use.

Product	Catalog #	Size	Price
Gram Stain, Iodine Replacement, Traditional	6252	4 x 8 oz	\$64.50
	6502	4 x 16 oz	\$95.00
Gram Stain, Replacement, Stabilized	6253	4 x 8 oz	\$73.00
	6552	4 x 16 oz	\$102.50

# Iodine

## Iodine, Lugol's

Lugol's Concentrate is a strong iodine solution for your research needs. Lugol's Working Solution is a ready- to-use iodine solution.

Product	Catalog #	Size	Price
Iodine, Lugol's Working Solution	6583-02	2 oz	\$14.25
	6583-16	16 oz	\$50.25
Lugol's Iodine Concentrate	6584D-02	2 oz	\$17.50
	6584-04	4 oz	\$22.00



# Dyes & Stains

## Gentian Violet

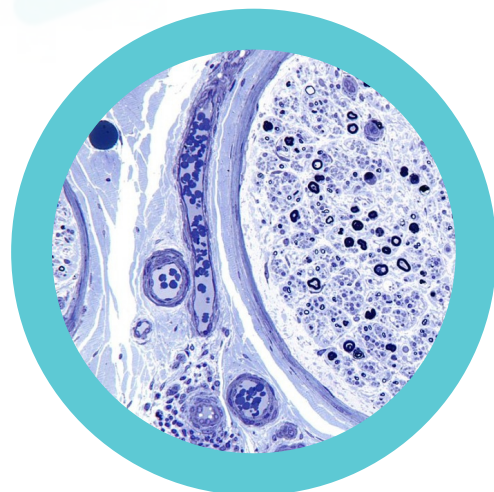
Gentian Violet Solution is used for various microbiology applications. In the Gram Stain, it is intended for the demonstration and differentiation of Gram-positive and Gram-negative bacteria. Gentian Violet is the component that results in blue staining of the Gram-positive bacteria.

Product	Catalog #	Size	Price
Gentian Violet 1%	6090-16	16 oz	\$22.00
Gentian Violet 2%	6091-04	4 oz	\$16.50
	6091-16	16 oz	\$26.25

## Toluidine Blue 1%

Toluidine Blue Staining consists of a basic thiazine metachromatic dye used to aid in the identification of microbiological diseases, such as *H. pylori*. Toluidine 1% is also useful in staining plastic sections.

Catalog #	Size	Price
6054-16	16 oz	\$42.00



## Malachite Green

A dye used as a biological stain to demonstrate bacterial spores. It is also useful in other research areas as needed.

Catalog #	Size	Price
6305-08	8 oz	\$28.00
6305-16	16 oz	\$44.75

# Dyes & Stains

## Sternheimer-Malbin Stain

The Sternheimer-Malbin Stain is a commonly used supravital stain containing crystal-violet and safarnin. Leukocytes, epithelial cells and casts stain may also be used with this stain.

Catalog #	Size	Price
6561-15	0.5 ml	\$16.50
6561-01	1 oz	\$22.00
6561-02	2 oz	\$32.75
6561-04	4 oz	\$49.25



## Methylene Blue

Methylene Blue 1% achieves intense blue staining of the nuclei. Methylene Blue, Loeffler is a multipurpose stain for staining leukocytes and bacteria.

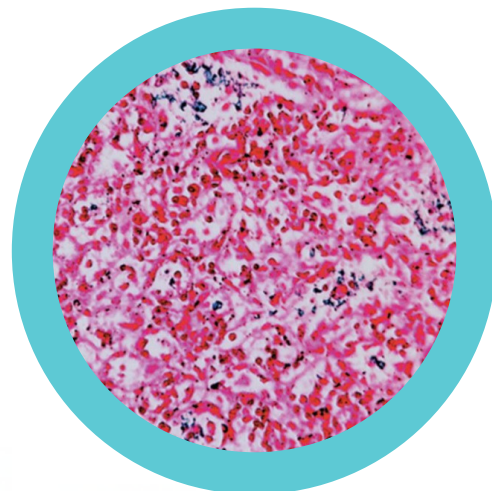
Product	Catalog #	Size	Price
Methylene Blue 1%	6550-04	4 oz	\$12.75
	6550-16	16 oz	\$42.75
	6550-G	1 Gallon	\$98.25
Methylene Blue, Loeffler	6558-04	4 oz	\$16.50
	6558-16	16 oz	\$49.25

# Dyes & Stains

## Nuclear Fast Red

Nuclear fast red staining is a simple method of nuclear chromatin staining and is mainly used for high-contrast counterstaining for histological applications.

Catalog #	Size	Price
3374	4 oz	\$23.00
	16 oz	\$64.50



## Lactophenol Cotton Blue

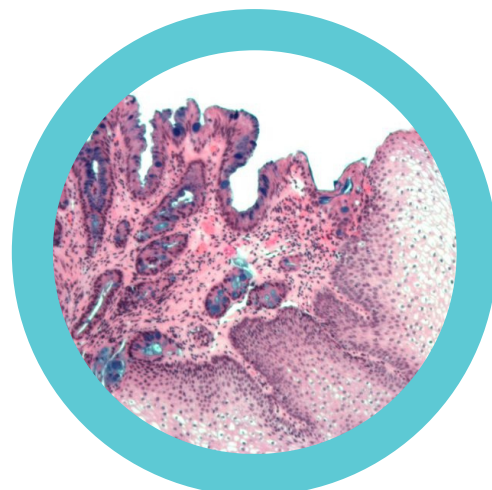
Lactophenol Cotton Blue is used to stain fungi in slide wet mounts. Routine procedure uses 10% potassium hydroxide, to clear any debris followed by lactophenol cotton blue to stain fungal elements a deep blue.

Catalog #	Size	Price
6701-04	4 oz	\$24.00
6701-16	16 oz	\$66.50

## Alcian Blue

Used primarily for demonstrating acid mucopolysaccharides. Used in electrophoresis for detecting glycoproteins.

Catalog #	Size	Price
7022-04	4 oz	\$28.50
7022-16	16 oz	\$98.25
7022-32	32 oz	\$126.50



# Acid Fast Stains

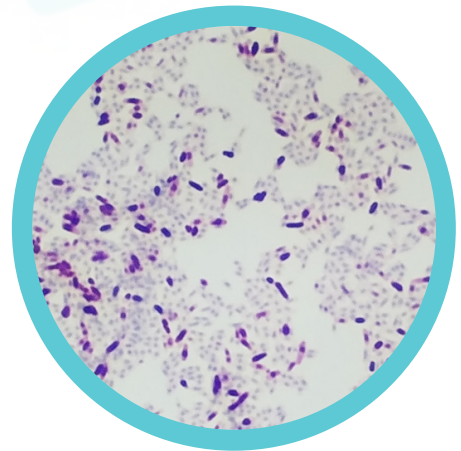
## AFB Kinyoun Set

AFB Kinyoun is similar to Ziehl-Neelsen stain but uses a cold method. Kinyoun carbol-fuchsin has a greater concentration of phenol and basic fuchsin and does not require heating. AFB Kinyoun Set is available with the choice of two different counterstains: Methylene Blue and Brilliant Green. Used to detect acid-fast microorganisms, specifically Mycobacterium.

Product	Catalog #	Size	Price
Brilliant Green	6300	3 x 8 oz	\$78.50
Methylene Blue	6304	3 x 8 oz	\$78.50

## AFB Ziehl-Neelsen Set

For the staining of bacteria from cultures or patient specimens suspected to contain Mycobacterium tuberculosis. The traditional Ziehl-Neelsen method employs the use of heat. Ziehl Neelsen staining method uses carbol-fuchsin as a primary stain, followed by a decolorizer solution and methylene blue as a counterstain.



Catalog #	Size	Price
6309	3 x 8 oz	\$83.50

## AFB, Replacement Brilliant Green Counterstain

Counterstain used in succession following carbol-fuchsin staining and decolorizing in the AFB staining procedure. Used to detect acid-fast microorganisms, specifically Mycobacterium.

Catalog #	Size	Price
6303-08	8 oz	\$37.25
6303-16	16 oz	\$67.00

# Acid Fast Stains

## AFB, Replacement Methylene Blue Counterstain

Counterstain used in succession following carbol-fuchsin staining and decolorizing in the AFB staining procedure. Used to detect acid-fast microorganisms, specifically Mycobacterium.

Product	Catalog #	Size	Price
AFB Kinyoun	6305-08	8 oz	\$35.00
	6305-16	16 oz	\$64.75
AFB Ziehl-Neelsen	6330-08	8 oz	\$35.25
	6330-16	16 oz	\$65.00

## AFB Replacement, Decolorizer

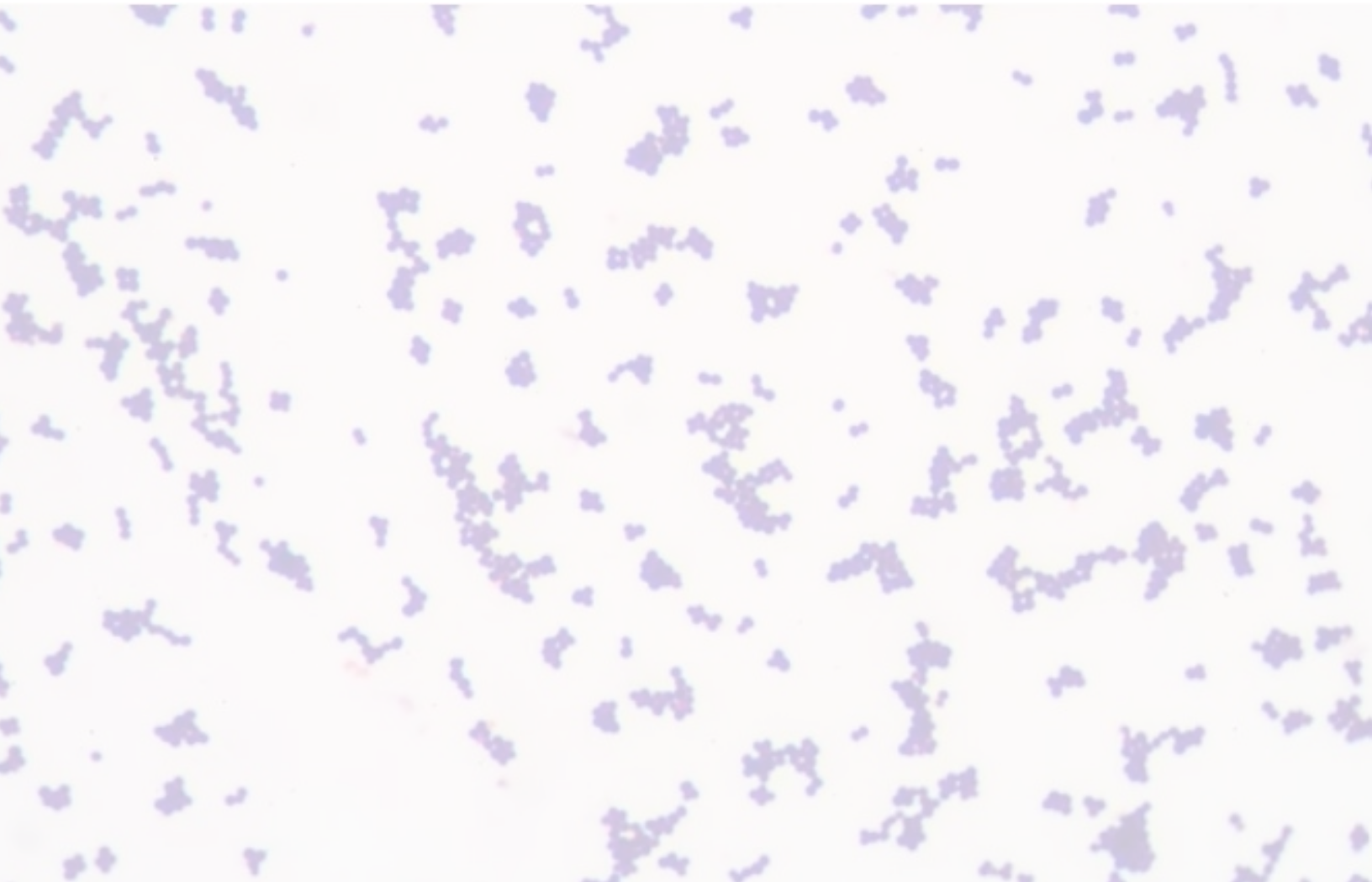
Decolorizer used in succession following carbol-fuchsin staining in the AFB staining procedure. Used to detect acid-fast microorganisms, specifically Mycobacterium.

Product	Catalog #	Size	Price
AFB Kinyoun, Replacement	6302-08	8 oz	\$16.50
	6302-16	16 oz	\$28.50
	6302-G	1 Gallon	\$47.00
AFB, Ziehl-Neelsen, Replacement	6320-08	8 oz	\$16.75
	6320-16	16 oz	\$31.00
	6320-G	1 Gallon	\$52.00

## AFB Replacement, Fuchsin Carbol

Fuchsin Carbol is the primary stain used in the AFB staining procedure using the Kinyoun Method. Used to detect acid-fast microorganisms, specifically for Mycobacterium.

Product	Catalog #	Size	Price
AFB Kinyoun, Replacement	6301-08	8 oz	\$25.25
	6301-16	16 oz	\$46.00
AFB Ziehl-Neelsen, Replacement	6310-08	8 oz	\$25.25
	6310-16	16 oz	\$46.00



**astral**diagnostics

[www.ethosbiosciences.com](http://www.ethosbiosciences.com)