Intended Use

For In Vitro Diagnostic use.

This product is intended for the identification of plasma cells in ethanol fixed cytologic preparations from peripheral blood and bone marrow aspirates.

Description

This product is an RNA DNA Stain that is intended primarily for use in the visualization of plasma cells. Pyronin stains the cytoplasm of plasma cells and most nucleoli red. Methyl green stains DNA bluish-green.

Supplied As

<table>
<thead>
<tr>
<th>Catalog #</th>
<th>Contains</th>
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<tbody>
<tr>
<td>R2144-1</td>
<td>3 mL</td>
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</table>

A proprietary buffered solution containing Methyl Green and Pyronin Dyes without preservatives. The solution is ready to use.

Precautions

1. For professional users.
2. Minimize microbial contamination of reagents or increase in nonspecific staining may occur.
3. Reagent vials may contain residual solution after completing the prescribed number of tests.
4. Incubation times or temperatures other than those specified may give erroneous results. The user must validate any changes made to the provided procedure.
5. Store reagent vials in an upright position when not in use.
6. Keep reagent vials out of direct sunlight and away from heat-generating sources.
7. Wear appropriate Personal Protective Equipment to avoid contact with eyes and skin.
8. Unused solution should be disposed of according to local, state and federal regulations.
9. Safety Data Sheet available upon request.

Methyl Green

- **H315**: Causes skin irritation.
- **H319**: Causes serious eye irritation.
- **H335**: May cause respiratory irritation.
- **P280**: Wear protective gloves/protective clothing/eye protection/face protection.
- **P302+P352**: If IN SKIN: Wash with plenty of soap and water.
- **P305+P351+P338**: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do. Continue rinsing.
- **P304+P341**: IF INHALED: If breathing is difficult, remove victim to fresh air and keep at rest in a position comfortable for breathing.

Pyronin Y

- **H341**: Suspected of causing genetic defects.
- **P201**: Obtain special instructions before use.
- **P202**: Do not handle until all safety precautions have been read and understood.
- **P281**: Use personal protective equipment as required.
- **P308+P313**: IF exposed or concerned: Get medical attention/advice.

Acetone

- **H225**: Highly flammable liquid and vapor.
- **H319**: Causes serious eye irritation.
- **H336**: May cause drowsiness or dizziness.
- **P210**: Keep away from heat, hot surfaces, open flames, sparks. - No smoking.
- **P233**: Keep container tightly closed.
- **P240**: Ground/bond container and receiving equipment.
- **P241**: Use explosion-proof electrical, lighting, ventilating equipment.
- **P242**: Use only non-sparking tools.
- **P243**: Take precautionary measures against static discharge.
- **P261**: Avoid breathing mist, spray, vapors.
- **P264**: Wash exposed skin thoroughly after handling.
- **P265**: Avoid breathing mist, spray, vapors.
- **P268**: Wear protective gloves/protective clothing/eye protection/face protection.
- **P303+P361+P353**: IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower.
- **P304+P340**: IF INHALED: Remove person to fresh air and keep comfortable for breathing.
- **P305+P351+P338**: If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do. Continue rinsing.
- **P312**: IF exposed or concerned: Get medical attention/advice.
- **P313**: IF eye irritation persists: Get medical advice/attention.
- **P314**: Call a POISON CENTER/doctor.../if you feel unwell.
- **P337+P313**: If eye irritation persists: Get medical advice/attention.
- **P370+378**: In case of fire: Use dry chemical powder, alcohol-resistant foam, carbon dioxide (CO₂) for extinction.
- **P403+P233**: Store in a well-ventilated place. Keep container tightly closed.
- **P405**: Store locked up.
- **P501**: Dispose of contents/container to comply with local, state and federal regulations.
- **P235**: Keep cool.

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Enriching Patient Lives
Procedure

1. Line the bottom of the humidity chamber with a moistened paper towel.
2. To 200 μL of the Methyl Green Pyronin Solution, add 50 μL of acetone and gently mix.
3. Align the slides to be stained face-up inside the chamber.
4. Overlay a suitable volume of MGP onto the slide, taking care to coat all areas containing potential target cells.
5. Cover the humidity chamber and float it in a 37°C water bath (or 37°C incubator) for 5 minutes.
6. After incubation, open the humidity chamber and remove slides one at a time. Gently rinse each slide in turn with a stream of distilled or DI water. Do not spray the water directly onto the surface of the MGP. Allow the water to flow indirectly over the stain. Briefly touch the bottom edge of the slide onto a dry paper towel to remove excess water.
7. Allow the slide to air dry at room temperature.
8. Coverslip the slide with an appropriate xylene solvent based slide media.

Storage

This product is stable when stored at 2 - 8°C. DO NOT FREEZE. Refer to product label for expiration date.

References


Key to Symbols Used

- **IVD**: In Vitro Diagnostic Device
- **Harmful**: Harmful
- **Health Hazard**: Health Hazard
- **Flammable**: Flammable
- **Temperature Limitation**: Temperature Limitation
- **Use By**: Use By

Manufacturer

WaveSense, Inc.
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Irvine, CA, USA 92618

Model Number

R2144-1

Lot Number

Assigned

Non-sterile

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