



## Methyl Green

**REF** / Cat. No.: ZUC002-500      500 ml

### Instructions for use

#### Intended use

Methyl Green is a counter-staining reagent for histology and cytology. It allows for the visualisation of cell nuclei in tissue sections and cell preparations following immunohistochemical and immunocytological staining. Methyl Green is intended for research use only.

#### Reagent provided

Methyl Green solution in the following format:

**Ready-to-use:** 500 ml (Cat. No. ZUC002-500)

#### Storage and Handling

The solution should be stored at room temperature in the original container without further dilution. Under these conditions the solution is stable up to the expiry date indicated on the label. Do not use product after the expiry date. If you observe unusual staining or other deviations from the expected results which could possibly be caused by the kit reagents please contact Zytomed Systems' technical support or your local distributor.

#### Precautions

Use by qualified personnel only. Wear protective clothing to avoid contact of reagents or specimen with eye, skin or mucous membrane. In case of a reagent coming into contact with a sensitive area, wash the area with large amounts of water. In case of swallowing rinse the mouth excessively with large amounts of water and turn to a doctor. A material safety data sheet (MSDS) is available upon request.

Methyl Green can be easily washed away from stained tissue sections with water and water/alcohol mixtures. Therefore please refer to the recommendations for dehydration in paragraph "Staining procedure". Do not use aqueous mounting media.

#### Reagent Preparation

The solution is ready-to-use.

#### Staining procedure

- 1) Wash away chromogenic substrate solution of immunohistochemically stained tissue slides with distilled or deionised water.
- 2) Apply Methyl Green and incubate for 5-10 minutes depending on the desired staining intensity.
- 3) Rinse with deionized water (10-20 seconds).
- 4) Dehydrate in 100% ethanol (5 min). Note: use of graded alcohol removes stain.
- 5) Clear in xylene.
- 6) Mount with a permanent non-aqueous mounting medium. Use of aqueous mounting media will result in leaching of the Methyl Green stain within 1-5 minutes.

Alternative: After rinsing briefly in deionized water, allow slide to air dry, clear in xylene, and mount in a permanent mounting medium.

### Troubleshooting

If you observe unusual staining or other deviations from the expected results please read these instructions carefully, contact Zytomed Systems' technical support or your local distributor. Also refer to the instructions of the detection systems for guidance on general troubleshooting.

### Expected results

Methyl Green stains nuclei of histological and cytological preparations due to binding to DNA.

### Limitations of the procedure

In certain tissues binding of Methyl Green to nuclear DNA may be weak. This applies for skin, breast and gastrointestinal tissues. If an aqueous mounting media is used, this leads to bleaching of the Methyl Green staining within minutes.

Zytomed Systems guarantees that the product will meet all requirements described from its shipping date until its expiry date, as long as the product is correctly stored and utilized. No additional guarantees can be given. Under no circumstances shall Zytomed System be liable for any damages arising out of the use of the reagent provided.

### Performance characteristics








Zytomed Systems has conducted studies to evaluate the performance of the reagent. The product has been found to be suitable for the intended use.

December 15, 2016

Rev: A1216

Doc: DBE\_ZUC002-500

Explanation of the symbols on the product label:

<b>REF</b>	Bestellnummer Catalog Number Reference du catalogue		Verwendbar bis Use By Utiliser jusque		Gebrauchsanweisung beachten Consult Instructions for use Consulter les instructions d'utilisation
<b>LOT</b>	Chargenbezeichnung Batch Code Code du lot		Lagerungstemperatur Temperature Limitation Limites de température	<b>RUO</b>	Nur für Forschungszwecke For Research Use Only Pour la recherche uniquement
<b>IVD</b>	In vitro Diagnostikum In Vitro Diagnostic Medical Device Dispositif médical de diagnostic in vitro		Achtung/Gefahr Warning/Danger Attention/Danger		Hersteller / Manufacturer / Fabricant Zytomed Systems GmbH Anhaltinerstraße 16 14163 Berlin, Germany Tel: (+49) 30-804 984 990 <a href="http://www.zytomed-systems.com">www.zytomed-systems.com</a>
	Achtung/Gefahr Warning/Danger Attention/Danger		Achtung Warning Attention	