

## MASSON TRICHROME with aniline blue 04 - 010802

**IVD** In-vitro diagnostic medical device **CE**

**CND Code: W01030799**

number of tests ..... 100  
procedure time ..... 35 minutes  
product validity ..... 2 years  
storage temperature ..... 15-25 °C  
complementary equipment ..... not requested

<b>Expected aim</b>	Product for the preparation of cyto-histological samples for optical microscopy.
<b>Application</b>	Recommended method for connective tissue. It demonstrates gametes, nuclei, neurofibrils, neuroglia, collagen, keratin, intracellular fibrils, negative image of Golgi apparatus.
<b>Principle</b>	Four different stains are used: Weigert's iron hematoxylin for nuclei, picric acid for erythrocytes, a mixture of acid dyes (acid fuchsin-"ponceau de xylidine") for cytoplasm and aniline blue for connective tissue.
<b>Method</b>	<ol style="list-style-type: none"><li>1) Bring section to distilled water.</li><li>2) Put on the section 6 drops of reagent A and add 6 drops of reagent B: leave to act 10 minutes.</li><li>3) Without washing , drain the slide and put on the section 10 drops of reagent C: leave to act 4 minutes.</li><li>4) Wash quickly (3-4 seconds) in distilled water and put on the section 10 drops of the reagent D: leave to act 4 minutes.</li><li>5) Wash in distilled water and put on the section 10 drops of the reagent E: leave to act 10 minutes.</li><li>6) Without washing, drain the slide and put on the section 10 drops of reagent F: leave to act 5 minutes.</li><li>7) Wash in distilled water and dehydrate rapidly through ascending alcohols, stop 1 minute in the last absolute ethanol. Clear in xylene and mount.</li></ol>
<b>Results</b>	Nuclei and gametes ..... black Cytoplasm, keratin, muscle fibres, acidophil granules ..... red Collagen, mucus, basophil granules of hypophysis ..... blue Delta cells granules of hypophysis ..... blue Erythrocytes ..... yellow
<b>Reagents</b>	A) Weigert's iron hematoxylin - A solution ..... 18 ml B) Weigert's iron hematoxylin - B solution ..... 18 ml C) Picric acid alcoholic solution ..... 30 ml D) Ponceau acid fuchsin according to Mallory ..... 30 ml E) Phosphomolybdic acid solution ..... 30 ml F) Masson aniline blue ..... 30 ml
<b>Warning and precaution</b>	The product must be used exclusively by specialized technical operators. The product is classified as hazardous. Read with attention the information written on the label (dangerous symbols, risks and safety phrases). Consult always the safety data sheet where the information about the risks of the preparation, precautionary measures during use, first aid and disposal are available. Do not use if primary packaging is damaged.
<b>Storage</b>	Store the preparation at room temperature. Keep the containers tightly closed.
<b>Stability</b>	After the first opening, the product is usable until the expiry date, if correctly stored.
<b>Disposal</b>	Hazardous preparation: observe all state and local environmental regulations regarding waste disposal.

**References**

- Masson PJ. Some histological methods: trichrome stainings and their preliminary technique. 1929 J. Tech. Methods, 12: 75-90.
- Lillie RD. Staining of connective tissue . Arch Pat 1951; 54:220-223.
- Lillie RD. Studies on selective staining of collagen with acid anilin dyes. J Tech Methods 1945; 25: 1-47.
- Lillie RD. Further experiments with the Masson trichrome modification of Mallory's connective tissue stain. Stain Technol 1940; 15: 82.
- Armed Forces Institute of Pathology: Laboratory Methods in histotechnology. Washington D.C., A.F.I.P., 1994.

010802/L the kit is available with components in size of 1000 ml on request.

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