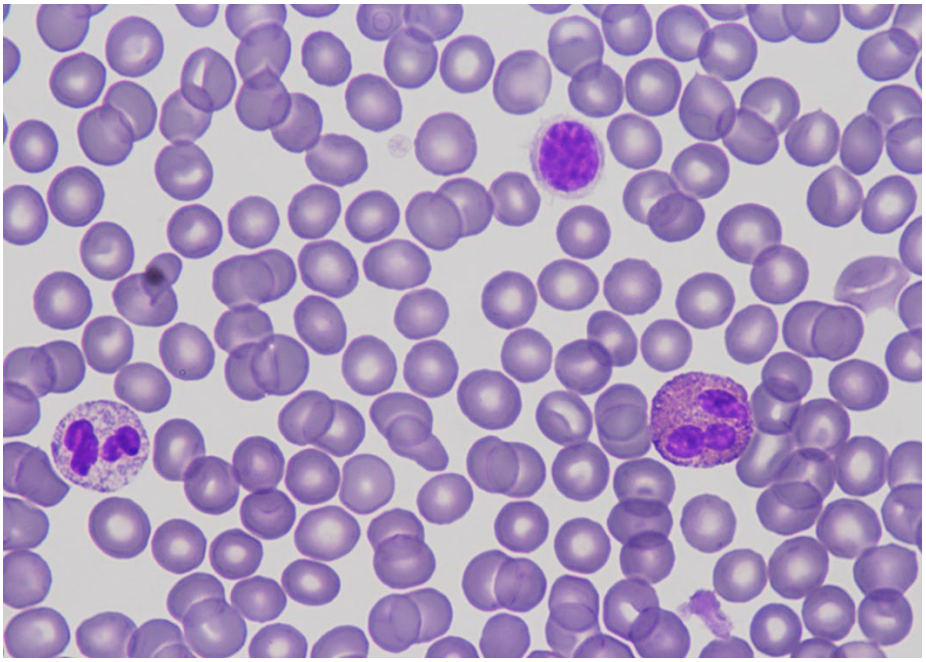
Bio-Optica
Improving Pathology

Data Sheet

CE

MGG QUICK STAIN

(UK NEQAS Approved)



Blood smear

CODE	DESCRIPTION	TESTS NUMBER
04-090805M	MGG quick stain	N.A.

IVD

In Vitro Diagnostic – medical device
EMDN: W0103010301
IVD in **Class A**, Reg. UE 2017/746
UDI-DI: 08034120274777
Basic UDI: 080341202W0103010301HX

Manufacturer: Bio-Optica Milano S.p.A.

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Product for the preparation of cyto-histological samples for optical microscopy.
Quick method for differential staining of formed blood elements. It can also be used to stain other types of air-dried smears (sediment smears, needle aspirates). The resulting staining can be compared to traditional May Grunwald-Giemsa method.

PRINCIPLE

Solutions in this kit contain the same dye as traditional May Grunwald and Giemsa solutions. Thanks to their high degree of dissociation, active molecules (eosin and thiazine dyes) can be absorbed by cellular structures very quickly.

WARNING

- It is important to immerse and extract specimen as requested in the method. A continuous permanence in the solution does not guarantee good staining results.
- If the final staining shows unbalance between eosinophil and basophil components it is necessary to verify pH of washing water. If this value is very different from neutrality - pH 7 - we advise to use a buffer (ex. phosphate buffer pH 7) or distilled water.

METHOD

1) Dry the smear in the air.
2) Immerse the slide 5 times for 1 second each in solution A. After every immersion wait a moment to drain excess.
3) Immerse the slide 5 times for 1 second in solution B. After every immersion wait a moment to drain excess.
4) Immerse the slide 3-5 times for 1 second in solution C. After every immersion wait a moment to drain excess.
5) Wash in tap water.
6) Dry the slide in the air (do not use heat sources such as oven, etc.…).

The picture is for illustrative purposes only

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Technical details

Method specifications	Procedure time	20 seconds
	Complementary equipment	Not requested
	Results	Results comparable to the May Grunwald Giemsa technique.
Components	A) Fixative	2 x 500 ml
	B) Eosin solution	500 ml
	C) Thiazine staining solution	500 ml
Storage	Storage	Store the preparation at room temperature. Keep the containers tightly closed.
	Storage temperature	15 - 25°C
	Stability	After the first opening, the product is reusable until the expiry date, if correctly stored.
	Validity	2 years
Warning	Product classification	The product is intended for professional laboratory use for healthcare professionals. Carefully read the information on the label (danger symbols, risk and safety phrases) and always consult the safety data sheet. Do not use if the primary container is damaged. In the event of a serious accident, we recommended that you immediately inform Bio-Optica Milano S.p.A and the competent authorities.
	Disposal	Hazardous preparation: observe all state and local environmental regulations regarding waste disposal.

REVISION n°	REASON	REVISION DATE
001	Regulation adjustment UE 2017/746 - IVDR	16/05/2022
002	Update “Warning”	09/04/2024
003	Replace with "UK NEQAS Approved" image	20/03/2026

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