



In Vitro Diagnostic Medical Device
For professional use only



Neutral red Gurr

for microscopical staining (C.I. 50040)

Cat. No	Pack Type	Pack Size
340564A	Glass Bottle	25 g
340565B	Glass Bottle	100 g

Composition

C.I. 50040

$C_{15}H_{17}ClN_4$

M = 288.78 g/mol

Intended Use(s)

Neutral red can be used for supravital staining (a stain introduced in living tissue that has been removed from the body, but before cessation of the chemical life of the cells) of blood

It's used for the initial evaluation of blood components

Evaluate the result by comparing it to what would be the age related normal values

Review of the samples helps in determining the need for ancillary studies.

An initial review of the patient's clinical background is necessary to use in conjunction with the result of the staining

Samples derived from the human body

Reference:

* Conn's Biological stains 10th edition, R.W. Horobin, J.A. Kiernan

Characteristics and performances

Neutral red belongs to the group of azines.

Neutral red is especially recommended for initial evaluation of blood.

Reagent

Cat. No	Description	Pack Size
34056	Neutral red (C.I. 50040)	25G, 100G
1.01324	Janus green B (C.I. 11050)	10g
27810	Sodium Chloride	500g, 1kg, 5kg,
	Normapur AR	25kg

Preparation

1. Neutral red solution

Dissolve 0.5 g neutral red in 50 ml distilled water.

Dissolve 0.45 g Sodium Chloride in 10 ml distilled water.

Mix both solutions and filter.

2. Janus green B solution

Dissolve 0.25 g Janus green B in 25 ml distilled water and filter.

3. Staining solution

Mix 25 ml solution 1 and 0.25 ml solution 2.

Sample material and preparation

For professional use only.

Frech capillary blood, collected by pricking the skin

In order to avoid errors, the staining process must be carried out by qualified personnel.

National guidelines for work safety and quality assurance must be followed.

Microscopes equipped according to the standard must be used.

All samples must be clearly labelled.

Procedure

Supravital staining

Bring 2µl neutral red-janus green B solution to a glass slide, mix with 10 µl blood. Cover with a cover glass, seal the rims. Check immediately and after 2 h under the microscope.

Result

The microscope used should meet the requirements of a medical diagnostic laboratory

Basophilic granules	deep brick red
Eosinophilic granules	yellow or light orange
Neutrophilic granules	pale pink
Vacuoles of monocytes	salmon
Mitochondria	green

Evaluate the result by comparing it to what would be the age related normal values

Review of the samples helps in determining the need for ancillary studies.

An initial review of the patient's clinical background is necessary to use in conjunction with the result of the staining

Samples derived from the human body

Reference:

* Conn's Biological stains 10th edition, R.W. Horobin, J.A. Kiernan



VWR International bvba
Researchpark Haasrode 2020
Geldenaaksebaan 464
3001 Leuven
Belgium
<http://www.vwr.com>



In Vitro Diagnostic Medical Device
For professional use only



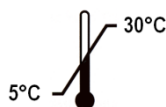
Neutral red Gurr

for microscopical staining (C.I. 50040)

Diagnostics

Diagnoses are only to be made by authorised and trained persons. Valid nomenclatures must be used.
Further tests must be selected and implemented according to recognised methods.

Storage



The dye must be stored at +5°C to +30°C.
The dye must be used by the expiry date stated.

Shelf life



After first opening, the bottle can be used up to the expiry date when stored at +5°C to +30°C. The bottles must be kept tightly closed at all times.

Auxiliary reagents

Cat. No	Description	Pack Size
36126	Microil Immersion oil tropical grade	100 ml
36104	Microil Immersion Oil	100 ml, 500 ml
36102	Lenzol Immersion oil Gurr	100 ml
36194	Fractoil Synthetic Immersion Oil	500ml

Precautionary measures on health hazards

Effective measures must be taken to protect against infection in line with laboratory guidelines.

Physical Hazard classification

Please observe the hazard classification on the label and the information given in the safety data sheet.

The VWR safety data sheet is available on the Internet.

Instructions for environmental disposal

Used solutions and solutions that are past their shelf-life must be disposed of as special waste according to local disposal guidelines. VWR International can provide technical support for local disposal solutions.



VWR International bvba
Researchpark Haasrode 2020
Geldenaaksebaan 464
3001 Leuven
Belgium
<http://www.vwr.com>