

# Technical Data Sheet

## Technovit H7100 / H8100 Giemsa Stain

# 14653-14654

### Giemsa Stain For Glycol Methacrylate Sections

This Giemsa stain works well for a variety of tissues.

#### Procedure

1. Stain in Giemsa working solution at room temperature for 1½ hours.
2. Rinse in dilute acetic acid (four drops in 100ml DI water) for two seconds.
3. Dip in 96% alcohol.
4. Dip in 96% alcohol.
5. Rinse in isopropyl alcohol three times for two minutes each.
6. Clear in xylene and mount.

#### Results

Nuclei	violet
Cytoplasm	blue
Erythrocyten	pink

#### Solutions

##### *Giemsa Solution:*

- 0.15g Azure A
- 0.30g Methylene Blue
- 0.36g Eosin Y
- 0.04g Phloxine B
- 50ml Glycerine
- 40ml Methanol
- Add dyes to Glycerine and methanol, mix well. Incubate overnight in 55-58°C oven stirring occasionally. Stable for year.

##### *Giemsa Working Solution:*

- 4ml Giemsa stock solution
- 40ml phosphate buffer solution

##### *Phosphate Buffer Solution:*

- 7.25g Sodium phosphate, monobasic
- 2.75g Sodium phosphate, dibasic
- 1000ml Distilled water
- 10ml 10% Triton X-100
- Store at 4°C.