



2C-131

Carminesetic acid according to Schneider

In-vitro diagnostic agent

Description

The product 2C-131 is a ready-to-use solution for professional users for application in histology. The product comes in 4 different pack sizes: 2C-131.00100 (100ml bottle), 2C- 131.00250 (250ml bottle), 2C-131.01000 (1000ml bottle) and 2C-131.10000 (1 litre canister)

Main components

Carmine (CI 75470)	0.5%
Acetic acid (C ₂ H ₄ O ₂)	45%

Purpose

The "carmine acetic acid according to Schneider" is used for cell diagnostics for the examination of histological samples (e.g. histological sections), for targeted nuclear staining and chromosome staining. It is a ready-to-use dye solution for professional users.

Sample material and sample preparation

Sampling may only be carried out by qualified personnel. All samples must be processed with state-of-the-art technology. All samples must be clearly labelled.

Sample material: Sections of human tissue after fixation, for instance by means of buffered formol and fixation mixtures with ethanol and formalin and subsequent embedding in paraffin or frozen sections.

Test principle

Carmine acetic acid is based on a natural dye derived from carmine. After staining with carmine acetic acid, the cell nuclei / chromosomes are stained red.

Staining

Before staining, deparaffinise the sections and transfer them to distilled water via a descending ethanol series. The samples are covered with carmine acetic acid solution and heated over a flame for a few minutes (without boiling) and drained. After staining, the samples are rinsed in distilled water and dehydrated in isopropanol solution. The samples are then transferred to xylene via an ascending ethanol series. The samples can be covered with a synthetic covering medium for subsequent microscopy.

To ensure the differentiability of the target structures, suitable control specimens should be kept along with the staining.

The usual staining protocols known from literature must be used. Staining may only be carried out by qualified personnel.



Result

Cell nuclei

red

Precautionary measures

When removing the product, care must be taken to avoid contamination of the storage vessel. Once the solution has been removed, it must not be returned to the canister. If turbidity or solids appear, discard the product. The product is intended for single use and must not be reused.

Storage and shelf life

Store the unopened containers in a dry place at 15 to 25 °C, avoiding direct sunlight. The shelf life is 2 years. See also the best-before date (BBD) on the label. Once the containers have been opened, the shelf life corresponds to the best-before date, as long as the storage conditions are observed and the solution is handled properly.

Safety notice

If any serious incidents occur in connection with the product, please report them to the manufacturer and the national authority.

Literature

<http://www.aeisner.de/methoden/farb30.html>

