# 2C-268

Samson's solution
In-vitro diagnostic agent

### Description

The product 2C-268 is a ready-to-use solution for professional users for application in cytology.

The product comes in 3 different pack sizes: 2C-268.00100 (100ml bottle), 2C-268.00250 (250ml bottle) and 2C-268.01000 (1l bottle)

### Main components

| | |
|---|---|
| Acetic acid ($C_2H_4O_2$) | 30.0% |
| Phenol ($C_6H_6O_2$) | 2.0% |
| Fuchsin basic (C.I.42510) | 0.2% |

## Purpose

Samson's solution is used for the examination of cerebrospinal fluid samples. It is a ready-to-use dye solution for professional users. It is used for microsocopic leucocyte counting in cerebrospinal fluid.

### 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: fresh cerebrospinal fluid, max. 1 hour after sampling, otherwise there is a risk of cell decay.

### Test principle

The acetic acid contained lyses erythrocytes and the dye fuchsin stains leucocyte nuclei. The result is a specific representation of the leucocytes in the CSF.

### Staining

The transfer of CSF and staining solution into the reaction vessel should preferably be done using a piston-stroke pipette (so-called dilution B). Mix Samson's solution and CSF in the ratio 1: 10.

When using a leukocyte mixing pipette (so-called dilution A, imprecise and therefore not recommended) draw up Samson's solution to mark 1.0, then aspirate the CSF to be examined up to mark 11. The mixing ratio here is 1: 9.

For cell resuspension, mix again directly before filling into the counting chamber.

Dilution B: Then remove the sample from the reaction vessel using a pipette and fill the counting chamber.

Dilution A: Discard the CSF in the capillary and then fill the counting chamber by capillary action.
The usual staining protocols known from literature must be carried out.

Waldeck GmbH & Co. KG
Havixbecker Str. 62
48161 Münster
Deutschland
Amtsgericht Münster
HRA 1926

Komplementärin:
Wahlig Beteiligungs- und
Verwaltungsgesellschaft mbH
Amtsgericht Münster
HRB 692

Geschäftsführer:
Wilhelm Wahlig
Ingo Gerdes

Bankverbindungen:
SPK Westmünsterland
IBAN:
DE49401545300036060184
BIC:
WELADE3WXXX

USt.-Id.-Nr.:
DE126046718
Steuer-Nr.:
5336/5779/0252
Gläubiger-ID:
DE67ZZZ00000021849

Kontakt:
Tel. +49 2534 970 0
Fax +49 2534 970 258
info@waldeck-ms.de
www.waldeck-ms.de

Staining may only be carried out by qualified personnel.

**Result**

The number of cells counted in all 16 1 $mm^2$ squares of the Fuchs-Rosenthal counting chamber gives the number of cells per µl of CSF.

Dilution B: counted cells x 0.34 = cells/µl

Dilution A: counted cells x 0.35 = cells/µl

**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**

Patrick Oschmann, Hansotto Reiber, Brigitte Wildemann (Hrsg.), Neurologische Labordiagnostik, 2006, Georg Thieme Verlag

Lothar Hallmann, Klinische Chemie und Mikroskopie, 1980, Georg Thieme Verlag, 11 edition

Waldeck GmbH & Co. KG
Havixbecker Str. 62
48161 Münster
Deutschland
Amtsgericht Münster
HRA 1926

Komplementärin:
Wahlig Beteiligungs- und
Verwaltungsgesellschaft mbH
Amtsgericht Münster
HRB 692

Geschäftsführer:
Wilhelm Wahlig
Ingo Gerdes

Bankverbindungen:
SPK Westmünsterland
IBAN:
DE49401545300036060184
BIC:
WELADE3WXXX

USt.-Id.-Nr.:
DE126046718
Steuer-Nr.:
5336/5779/0252
Gläubiger-ID:
DE67ZZZ00000021849

Kontakt:
Tel. +49 2534 970 0
Fax +49 2534 970 258
info@waldeck-ms.de
www.waldeck-ms.de