



RUO

en

Visual Cell Counting Control Suspension

for testing and control of visual microscopic cell count

Product information for controlling the microscopic cell count.

Principle

The Visual Cell Counting Control suspension is a purely synthetic control on the basis of plastic particles.

There are no materials of biological origin added. This control is certainly not infectious and safe to handle. They can therefore also be used in schools as teaching material without limitation.

The size, shape and properties of the synthetic particles does not correspond to the natural blood cells. The size is approximately chosen so that a count can be simulated and tested.

The results are in the range mentioned cells per microliter or cells per liter. Depending on the range of values ideally be used as a control for the counting of leukocytes.

Reagents

The control is an aqueous suspension of synthetic particles and is ready to use. At room temperature (+15 ... 25 °C) it is stable until the expiration date. Do not use if the solution is contaminated.

Risks and Safety

Please observe the necessary precautions for use of laboratory reagents. Applications should be performed by expert personnel only. Follow the national and laboratory internal guidelines for work safety. Wear suitable protective clothing and disposable gloves while handling. Use a capillary holder for volume capillaries.

No hazardous product in the mind of the directives 1272/2008, 67/548/EWG or 1999/45/EG. Safety Data Sheet (SDS) not necessary. Transport: Road, air, sea: No limitation.

Contents/Main Components

004093-0001	1x	1 ml	Visual Cell Counting Control Suspension.
<input type="checkbox"/>	Cont.	c = 1...5 x 10 ⁹ /µl [$\times 10^9/l$] = 1000...5000 Cells per µl. This cell concentration is only available as a customized product on request.	
004094-0001	1x	1 ml	Visual Cell Counting Control Suspension.
<input type="checkbox"/>	Cont.	c = 5...10 x 10 ⁹ /µl [$\times 10^9/l$] = 5000...10000 Cells per µl. (Standardkonzentration = Lagerware, kurzfristig lieferbar)	
004095-0001	1x	1 ml	Visual Cell Counting Control Suspension.
<input type="checkbox"/>	Cont.	c = 10...15 x 10 ⁹ /µl [$\times 10^9/l$] = 10000...15000 Cells per µl. This cell concentration is only available as a customized product on request.	

Zusätzlich benötigte oder empfohlene Materialien

04013-0007 * KIT Leuko-TIC® 1:20 blue plus • Single test with capillaries *
Mikroskope for laboratory use

* Available from Bioanalytic GmbH.

Number of tests:

1 mL = 1000 µL suspension control are included per vial.
For Leuko-TIC® 20 µL of sample are required. This results in a yield of up to 50 dilutions. Each dilution are 10 to 16 chamber fillings (mix before sampling!).

Usage

The Visual Cell Counting Control suspension is used as described in the respective instructions for use instead of sample.

Note:

Before each sampling the particles in the closed bottle must be adequately re-suspended. If insufficiently resuspended, a sampling performs wrong particle concentration.

Analysis / Calculation

Counting and analysis/calculation carried out as indicated in the description of the test kit.

Mean value

The nominal value and the confidence interval, please see the label on the package!

Notes

Visual Cell Counting Control Suspension (VCCCS) is not a quality control product in the mind of in-vitro diagnostic quality controls. VCCCS is useable for education, training and controlling of general use of cell counting. The possible use of the Visual Cell Counting Control suspension with blood diluting pipettes (Thoma pipettes) has not been tested. There is - as for blood cells also - the risk of accumulation of the particles on the uncoated glass surface of blood mixing pipettes, which can lead to incorrect results. Do not use carrying more blood diluting pipettes!

Reason:

The report 88.3 of WHO (World Health Organization) declared erythrocyte and leukocyte (Thoma pipettes) as obsolete, because of inaccuracy and poor handling.

Classifications

Research use only (RUO). Not for in-vitro diagnostic use.

Support/Information service

For methodological and technical support, please contact us by E-Mail at support@bioanalytic.de or by fax (German, English). Periodically check for updates of this product information on our website.

Waste Management

Please observe your national laws and regulations.

Used and expired solutions must be disposed of in accordance with your local regulations. Inside the EU, national regulations apply that are based on the current, amended version of Council directive 67/548/EEG on the approximation of the laws, regulations and administrative provisions relating to the classification, packaging and labelling of dangerous substances. Decontaminated packaging can be disposed of as household waste or recycled, unless otherwise specified.

Literature & Footnotes

Legends for the graphic symbols and tags used follow relevant norms or are available on our internet pages.

- [1] DIN 58932
- [2] Rick, Klinische Chemie und Mikroskopie, 24 (1977), Springer Verlag Berlin.
- [3] WHO-Report Lab/88.3

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