



# Reagenta

## REAGENTS FOR HAEMATOLOGY AND CYTOLOGY

Reagenta manufactures a wide range of staining solutions for various applications. The products are manufactured according to the EN ISO 9001:2015 and EN ISO 13485:2016 certified Quality Management System fulfilling the demanding raw material and end product quality requirements. This guarantees excellent staining results and batch-to-batch consistency. In addition to ready-to-use staining solutions, Reagenta manufactures a wide range of reagents, microscope cleaning solutions, calibration buffers, and buffer solutions.

### QUICK-DIFF staining

Reastain QUICK-DIFF Kit is an optimised colour and fixative composition for the differential staining of cellular elements in peripheral blood smears upon their cytochemical features. The fast 3-minute staining procedure and the ready-to-use solutions of the Reastain Quick-Diff Kit make this method ideal for use in emergency departments. The reagents can be applied on manual staining procedures.

Product	Packaging	Ref. number
REASTAIN QUICK-DIFF Kit	3 x 500 ml	102164

*Reastain QUICK-DIFF Kit and its components are available also in bulk.*

### May-Grünwald-Giemsa staining

Reagenta May-Grünwald and Reagenta Giemsa solutions are intended to be used together with the Reagenta Phosphate buffer in morphological inspection and differential counting of blood cells with the May-Grünwald-Giemsa (MGG) staining method. MGG method gives differential staining of the cell structures upon their cytochemical properties by combining the effect of acidic eosin and alkaline methylene blue. Eosin dyes alkaline cell components red and methylene blue dyes acidic cell components blue. In Giemsa staining, azur increases blue color intensity and enhances contrast between the cellular structures. The reagents can be applied on manual or automated staining procedures.

Product	Packaging	Ref. number
Giemsa solution	100, 1000, 5000 ml	140119, 180119, 190119
May-Grünwald solution	100, 1000, 5000 ml	140211, 180211, 190211
Phosphate buffer 67.0 mmol/l pH 6.8	500, 10000 ml	170105, 110105

## Sternheimer supravital staining

Traditional urine sediment inspection offers knowledge on cells, casts, microbes and occasional crystals excreted into urine in different disease phases; most of these elements are not seen in urine of healthy individuals, or are excreted in small numbers only. The European Urinalysis Group under ECLM (European Confederation of Laboratory Medicine) recommends either supravital staining or phase contrast optics as improved methods to allow detection and identification of cells and other particles in urine.

REASTAIN URINE is intended for in vitro diagnostic microscopical study of urine sediment. The procedure is compatible with the guidelines recommended by the European Urinalysis Group.

Product	Packaging	Ref. number
REASTAIN URINE	2 x 50 ml	140345

## Calibration buffers and buffer solutions

Product	Packaging	Ref. number	
<b>Calibration buffers</b>			
pH 1.68 ± 0.01 /25°C NIST/DIN 19266	Traceable to PTB. DIN 19266.	500 ml	172502
pH 4.01 ± 0.01 /25°C NIST/DIN 19266	Traceable to PTB. DIN 19266.	500 ml	172504
pH 7.00 ± 0.01 /25°C NIST/DIN 19266	Traceable to PTB. DIN 19266.	500 ml	172507
pH 9.18 ± 0.01 /25°C NIST/DIN 19266	Traceable to PTB. DIN 19266.	500 ml	172509
pH 10.01 ± 0.05 /25°C NIST/DIN 19266	Traceable to PTB. DIN 19266.	500 ml	172508
<b>Buffer solution</b>			
pH 4.0 ± 0.02 (20 °C)	Traceable to PTB.	500 ml	172204
pH 7.0 ± 0.02 (20 °C)	Traceable to PTB.	500 ml	172207
pH 8.0 ± 0.02 (20 °C)	Traceable to PTB.	500 ml	172208
pH 10.0 ± 0.05 (20 °C)	Traceable to PTB.	500 ml	172210

Product	Packaging	Ref. number	
Potassium chloride solution 3 mol/l	pH electrode storage solution	500 ml	170676

