



CELL-DYN 3000, 3000 CS, 3000 SL, 3500 CS, 3500 SL, 3700 reagents

REF	8-506 DILUENT CD 3500 (20 L)
	8-507 LYSING REAGENT CD 3500 CN FREE (5 L)
	8-508 SCATTER REAGENT CD 3000/3500 (20 L)
	8-509 CLEANING REAGENT CD 3500 (20 L)
	8-512 LYSING REAGENT CD 3000 (10 L)
	8-513 ENZYMATIC CLEANER FORTE (100 ml)

IVD

SUMMARY

CELL-DYN blood counters uses flow cytometric (WOC) and impedance (WIC) techniques to analyze the RBC/PLT, WBC and NOC populations. Cells are passed through a beam of light and are measured by sensors by the loss or scattering of light. Generated optical signals are detected and converted to electrical impulses which are analyzed by the computer. Simultaneously WBCs are counted using impedance method based on the measurement of changes in electrical current which are produced by a particle, suspended in a conductive liquid, as it passes through an aperture of known dimensions.

HGB is measured using the colorimetric determination. After lyse of red cells a low-energy LED measures the amount of absorbance which is proportional to the HGB concentration.

Three separate dilutions are prepared for WBC (WOC), RBC/PLT and HGB (WIC).

COLLECTION AND STORAGE

CELL-DYN 3000, 3000 CS, 3000 SL, 3500 CS, 3500 SL, 3700 are multiparameter, automated hematology analysers performing haematological analysis on whole blood collected on EDTA tubes. For the samples collection and storage please refer to the Operator Manual of your instrument.

UTILISATION

Before running the analysis, the sample should be gently mixed. Do not mix the different lots of reagents.


CONSERVATION AND SHELF LIFE

The reagents must be stored between 18°C and 30°C and used before the expiry date indicated on the label.

REFERENCE

Refer to the Operator manual for the analysers.

NAME AND ADDRESS OF THE MANUFACTURER

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UTILISATION (For In Vitro Diagnostic use)	
<p>DILUENT CD 3500 is designed for diluting the whole blood prior to measurement of WBC(WIC)/RBC/PLT/HGB. It maintains stability RBC/PLT during counting.</p> <p>CLEANING REAGENT CD 3500 is optically clear solution designed for maintaining proper meniscus in tubes and rinsing counting chambers and tubes.</p> <p>ENZYMATIC CLEANER FORTE is designed to remove protein contaminants from the measurement system analyser after each blood sample analysis. The presence of an enzyme reduces the formation of proteins deposit.</p> <p>LYSING REAGENT CD 3000 / LYSING REAGENT CD 3500 CN FREE is lysing agent to obtain the measurement of the haemoglobin. This reagent lyses the red blood cells and prepares white cells for enumeration.</p> <p>SCATTER REAGENT CD 3000/3500 is designed for diluting the whole blood prior to measurement of WBC(WOC). It also osmotically lyses the red cells and maintain light scattering properties of the WBCs</p> <p>These reagents are the functional set to perform blood sample analysis on haematology analyser.</p>	
COMPONENTS	
DILUENT CD 3500	LYSING REAGENT CD 3500 CN FREE
sodium chloride 2,5 g/l inorganic phosphate buffer 5,6 g/l sodium sulphate 10 g/l EDTA < 1 g/l preservative < 0.5 g/l	non-ionic based surfactant < 0.5 g/l dodecyltrimethyl-ammoniumbromide 30 g/l other quaternary ammonium salt < 1.5 g/l
SCATTER REAGENT CD 3000/3500	CLEANING REAGENT CD 3500
non-ionic based surfactant < 0.5 g/l alkoxy-alcohol < 10 g/l Tris buffer < 0.5 g/l	sodium chloride < 3 g/l inorganic phosphate buffer < 8 g/l sodium sulphate < 11 g/l preservative < 1 g/l non-ionic based surfactant < 4 g/l
LYSING REAGENT CD 3000	ENZYMATIC CLEANER FORTE
non-ionic based surfactant < 0.5 g/l dodecyltrimethyl-ammoniumbromide 30 g/l other quaternary ammonium salt < 1.5 g/l potassium cyanide < 1.0 g/l	sodium phosphate < 5 g/l sodium sulphate < 5 g/l preservative 1 g/l dyes < 0.02 g/l proteolytic enzymes 5 – 12 g/l
WASTE TREATMENT	
Chemical residues, in general, are included into special waste. Disposing of the latter is regulated by appropriate laws and ordinances. We recommend contacting the appropriate authorities, or waste disposal enterprises that will advise you on how to dispose special waste of.	
PRECAUTIONS	
<p>For <i>In vitro</i> diagnostic use. For professional use only. Wear protective equipment. Avoid release to sewage system or to environment. For further information please refer to Material Safety Data Sheet.</p>	