



NIHON KOHDEN reagents

MEK 7222K

REF

- 8-522 DILUENT NK (20 L)
- 8-523 LYSING REAGENT NK 3 (1 L)
- 8-524 LYSING REAGENT NK 5 (1 L)
- 8-525 CLEANING REAGENT NK (5 L)
- 8-527 ENZYMATIC CLEANER NK (1 L)

MEK 6410K

REF

- 8-522 DILUENT NK (20 L)
- 8-523 LYSING REAGENT NK 3 (1 L)
- 8-525 CLEANING REAGENT NK (5 L)
- 8-527 ENZYMATIC CLEANER NK (1 L)

IVD

SUMMARY

The blood counters use the impedance technology to measure the number of cells in a diluted blood sample which pass through an aperture located between two electrodes where a constant electrical current is applied.

The dilution is done with an isotonic solution which is a conductor and does not lyse the blood cells.

The conductivity of the isotonic diluent allows the passage of the electrical current between the two electrodes. When a particle is aspirated through the micro-orifice, it moves its own volume of electrolyte. This applies a modification of the resistance between both electrodes and generates an electrical pulse. The amplitude is directly proportional to the volume of the particle.

Two separate dilutions are prepared for WBC/HGB and for RBC/PLT.

COLLECTION AND STORAGE

NIHON KOHDEN MEK 7222K, MEK 6410K are fully automated analysers performing haematological analysis on whole blood collected on EDTA tubes. The ratio between EDTA and whole blood must be between 1 to 2 mg per ml of blood.

The samples should be used at room temperature no longer than 4 hours after collection. If the analysis can't be done in the time, the samples should be stored at 4°C.

UTILISATION

Before running the analysis, the sample should be gently mixed. Open the tube, place it in the sampling port and press the start key.

CONSERVATION AND SHELF LIFE

Diluent NK, Lysing Reagent NK 3, Lysing Reagent NK 5, Enzymatic Cleaner NK must be stored between 18°C and 30°C and used before the expiry date indicated on the label.

Cleaning Reagent NK must be stored between 2°C and 25°C and used before the expiry date indicated on the label.

REFERENCE

Refer to the Operator manual for the analysers.

UTILISATION (For In Vitro Diagnostic use)

DILUENT NK is designed for diluting the whole blood prior to counting and sizing of RBC/WBC/PLT. It maintains stability RBC/PLT during counting.

LYSING REAGENT NK 3 / NK 5: Lysing agent to obtain the measurement of the haemoglobin, counting and differentiation of the white blood cells.

Use in combination with the diluent, this reagent lyses the red blood cells and protects the state of the leukocytes to permit the differentiation in three populations (lymphocytes, monocytes, granulocytes).

Diluent, lysing reagent and cleaning reagent are the functional set to perform blood sample analysis on haematology analyser.

CLEANING REAGENT NK is designed to remove protein contaminants from the measurement system of the analyser after each blood sample analysis.

ENZYMATIC CLEANER NK

is designed to remove protein contaminants from the measurement system of the analyser after each blood sample analysis. The presence of an enzyme reduces the formation of proteins deposit.

COMPONENTS

| DILUENT NK | LYSING REAGENT NK 3 |
|--|---|
| sodium chloride < 5 g/l | oxalates < 25 g/l |
| organic buffer < 2 g/l | dodecyltrimethyl-ammoniumchloride 3.1-4.0 g/l |
| sodium sulphate < 10 g/l | breitol < 2 g/l |
| Na2 EDTA < 0.5 g/l | |
| Preservative < 0.05 g/l | |
| LYSING REAGENT NK 5 | CLEANING REAGENT NK |
| sodium dodecyl sulphate < 1.5 g/l | sodium hypochlorite 14 g/l |
| inorganic buffer < 2.5 g/l | |
| sodium chloride < 9 g/l | |
| preservative < 1 g/l | |
| sodium hydroxide 1M < 6 g/l | |
| ENZYMATIC CLEANER NK | |
| boric acid < 5 g/l | |
| sodium tetraborate decahydrate < 0.8 g/l | |
| non-ionic surfactant < 2 g/l | |
| sodium chloride < 5 g/l | |
| preservative < 0.05 g/l | |
| enzymes < 13 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

For *In vitro* diagnostic use.

For professional use only.

CLEANING REAGENT NK meeting the criteria for classification in accordance with Regulation (EC) No 1272/2008.

Ingredients:

CLEANING REAGENT NK contains sodium hypochlorite

Warning.



H315 Causes skin irritation.

H319 Causes serious eye irritation.

P280 Wear protective gloves/protective clothing/eye protection/face protection.

P302+P352 IF ON SKIN: Wash with plenty of soap

and water.

P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do.

Continue rinsing.

LYSING REAGENT NK 3 meeting the criteria for classification in accordance with Regulation (EC) No 1272/2008.

Ingredients:

LYSING REAGENT NK 3 contains dodecyltrimethylammonium chloride.

Danger.



H400 Very toxic to aquatic life.

P273 Avoid release to the environment.

P391 Collect spillage.

P501 Dispose of contents/container in accordance with local regulation.

For further information please refer to Material Safety Data Sheet.

NAME AND ADDRESS OF THE MANUFACTURER



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