

INSTRUCTIONS FOR USE

Alsever Solution

1. Description of product

Alsever solution is a buffered suspension medium with a neutral pH. Alsever solution is used for keeping erythrocytes used in the laboratory storable for several weeks or to dilute commercially available test erythrocytes as needed. Neomycin sulfate (0.01%) and chloramphenicol (0.03%) are added to the Alsever solution as preservatives.

2. Storage and stability

Store Alsever solution at 2...8°C. Do not freeze or expose to direct sunlight. Cool to 2...8°C again immediately after use. Once it has been opened the first time, the solution may be used up to the expiration date indicated on the label if the specified storage conditions are observed. Do not use past the expiration date indicated on the label.

3. Intended use

Collect blood according to the customary medical procedure. Wash the blood twice with Alsever solution. Then resuspend 1 part erythrocyte sediment in 5 parts Alsever solution and store at 2...8°C.

Erythrocytes that are suspended in Alsever solution immediately after blood collection may be stored for up to 4 weeks at 2...8°C; however, the reactivity of individual antigens may decrease over storage time (e.g., antigens of the Kell system).

Alsever solution can also be used to dilute commercially available test erythrocytes to produce a desired concentration. In this case, the blood is not washed before adding the Alsever solution. The indicated shelf life of the test erythrocytes is not prolonged by this measure.

4. Important notes

1. Enzyme-treated erythrocytes can also be suspended in Alsever solution.
2. Do not use hemolytic samples.
3. If erythrocytes are stored for too long before mixing with Alsever solution, the erythrocyte antigens may change, which can lead to weakened reactions.
4. Microbial contamination of the Alsever solution must be absolutely avoided because this shortens the shelf life of the product and can lead to false results. Aseptic withdrawal of the solution is recommended. Do not use the product any longer if becomes cloudy or other visible changes can be detected. This may indicate microbial contamination.

5. Warnings and instructions for disposal

Alsever solution contains 0.01% neomycin sulfate and 0.03% chloramphenicol as preservatives. Preservatives can cause symptoms of poisoning if ingested. All materials of biological origin, especially the blood samples used, should be regarded as potentially infectious. Therefore, appropriate safety precautions are recommended when handling biological materials and solutions containing preservatives (do not pipette using the mouth; wear protective gloves when performing the test; disinfect hands after testing).

Biological materials must be deactivated before disposal (e.g., by autoclaving). Single-use materials must be autoclaved or incinerated after use.







Spills of potentially infectious material should be removed without delay with an absorbent paper towel and the contaminated area disinfected with an appropriate disinfectant or 70%

ethanol. Materials used for the removal of spills must be deactivated before disposal (e.g., by autoclaving).

The disposal of all materials should be carried out according to legal directives.

6. Package sizes

See price list.

Explanation of symbols used on Labelling	
	Storage temperature
	Batch code
	Use by
REF	Catalogue number
	Consult instructions for use
	Contains Neomycinsulfat
	Contains Chloramphenicol

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