

## Instruction manual

### Microscope slides for blood smears and tissue sections

### Cover glasses for blood and tissue preparations

**Microscope slides** for in-vitro diagnostic devices are plates of soda-lime glass about 1mm thick intended for use in microscopic examination. They are manufactured for single professional use according to the ISO standard 8037/1 and are employed for the inspection of cell suspensions and tissue samples, the creation of preparations and storage thereof. The refraction index of  $n_e=1.53\pm0.02$  where  $\lambda_e=546.07$  nm (green Hg-line) describes the optical properties of soda-lime glass which are relevant for microscopy.

**Cover glasses** for in-vitro diagnostic devices are plates of borosilicate glass about 0.16 mm thick intended for use in microscopic examination. They are manufactured for single professional use according to the ISO standard 8255/1 and are employed for the covering of preparations for archiving.

The refraction index of  $n_e=1,5255\pm0,0015$  and the Abbe coefficient of  $v_e=56\pm2$  where  $\lambda_e=546.07$  nm (green Hg-line) describe the optical properties relevant for microscopy.

#### Indication:

Microscope slides and cover glasses are used for routine clinical diagnostics of cell suspensions and tissue samples. As the range of possible applications is so vast, it is a requirement that this glassware is only handled by trained specialists and according to the national legal situation.

#### Contraindication:

Microscope slides and cover glasses are only intended for single use. Repeated use and/or improper treatment of the surfaces can lead to falsified results, ruining of the preparations and false diagnoses.

## GENERAL HANDLING ADVICE

### Warning



Please read all information carefully before use.



Microscope slides and cover glasses are only for single use by trained personnel. They must not (under no circumstances) be used more than once and are to be disposed as potentially infectious waste after use or when no longer required for archiving.



Microscope slides for which the expiry date has lapsed must not be used for diagnostic purposes.



Should any damage or evidence of broken glass be visible when opening the packaging, the glassware is not to be used due to the associated risk of injury from splinters.

The diagnostic application of the slides and the analysis of the preparations is to be carried out by a doctor or appropriately qualified personnel under the charge of the laboratory doctor.

The respective national legal requirements must be met. The rules for accident prevention and hygiene regulations must also be maintained.



Therefore, ensure that an adequate personal protective equipment is employed when coming into contact with potentially infectious sample material. Furthermore, the maintaining of the room's air quality in accordance with national formalities (e.g. the directive for hospital hygiene and infection prevention) must be guaranteed in order to ensure reliable diagnostic testing in the laboratory.



The instruction manual for diagnostic devices used must be obeyed. The traceability of the patient sample is to be guaranteed by the laboratory. To this end appropriate labeling and filing methods must be chosen.

### Recommendation

In order to minimize the risk of injury from sharp glass edges, we recommend using suitable gloves and our slides with ground edges as a matter of principle.

### Preparation

Microscope slides are normally ready for use and can be employed once they have gradually been brought to room temperature without any further preparation.



Should your diagnostic procedure mean that it is necessary to do a preparation of the slides, this must be carried out either according to the instruction manual of the respective system or reagent supplier or according to a validated proprietary procedure.

The matt-finished labeling fields on the slides aid the unambiguous labeling of the preparations and should be labeled with an appropriate permanent marker or writing diamonds.

### Application

**Microscope slides and cover glasses may only be used by appropriately trained personnel.** As the glassware is neither to be used by non-professionals nor is it intended for own applications, we do not provide a description of its manifold possible uses. Instead, we would refer you to the respective technical and training literature.

### Analysis



The analysis of the preparations on the slides is carried out according to the instruction manual of the respective system or reagent supplier or to the guidelines of a validated proprietary procedure.

When selecting the microscopic procedure the instruction manual of the manufacturer of the reagents or the validated in-house procedures must be followed closely.

Attention must be paid to ensure that microscopes with appropriate light sources and wavelengths are used.

The issuing of a diagnosis based on the preparations may only be carried out by a trained doctor or person with comparable qualifications. Any notes of the respective system or reagent supplier must be heeded.

In the interest of the diagnosing physician, diagnoses must be backed up with other diagnostic measures. **No diagnosis may take place in the event of insufficient specimen identification or quality.**

### Storage



Storage of the preparations is carried out (where applicable) according to the respective reagent supplier's instruction manual. In doing so it is particularly important to pay attention to the prescribed environmental conditions for storage.

Moreover, the relevant national legislation pertaining to storage duration must be observed.

### Disposal



Used slides must be disposed of as infectious waste. Used reagents can also contain substances which have to be disposed of as special waste. In this matter pertinent national legislation must be observed.

### Delivery form

Microscope slides are generally packed in 50 or 72 unit boxes and cover glasses in boxes of 100, 200 and 1 oz. The smallest purchase quantity of cover glasses consists of one carton containing ten individual boxes. Microscope slides are packed in cartons of 2.000 or 2.500 pieces.

### Storage advice

These products should be stored in the original packaging, in a dry environment, at a constant room temperature, preferably protected from any sources of heat and light. Should a change in temperature be necessary, this should take place slowly. Please take note of the applicable maximum stacking heights. Avoid strong jolting actions, also when transporting internally.

### Manufacturer



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