



CLEAN

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# Biorex M/AP

## Alkaline, Phosphate free Cleaning Concentrate for Manual Cleaning.

### Characteristics

Biorex M/AP is a liquid, alkaline and phosphate free cleaning concentrate for manual, self acting cleaning of laboratory equipment.

Biorex M/AP can be used as at most 1.0% solution to wipe laboratory tables, shelves, floors, tiles, plastic frontages, refrigerators etc.

### Properties

- Phosphate free, alkaline.
- Economical: Very good price-performance ratio - because effective from only 1.0% (minimum)
- Liquid, simple dispensable, cleans automatically and thoroughly.
- Compatible with glass, porcelain, ceramics, rubber materials, plastics (for example PE, PP, PVC, etc.), silicon, iron-alloys (nobly-steel, etc.).
- For non-iron-alloys and non-iron-metals avoid a longer contact. Therefore please test the compatibility.
- Non sewage-endanger, biologic degradable.
- Contains no solvents.

### Chemical and physical data

Solubility: .....In water at any ratio.  
pH-value: .....pH = ~13 (concentrate)  
pH = ~12 (5% solution)  
Density: .....1 l = ~1,05 kg (20 °C)

### Contents/Main Components

Anionic cleaning activating emulsifiers and tensides, complex-forming detergents, alkalyzers, hydroxide.

In accordance with the requirements of the tensid-ordinance the containing tensides are biodegradable in average for minimum of 90%.

Precipitation may occur at low temperatures. Then warm up the solution to 20 ... 25 °C) for at least 24 h and mix the container sufficiently. The precipitates then dissolve. The solution has an opalescent character, so it is not complete clear.

### Risks and Safety

Please observe the necessary precautions for use of laboratory reagents. Applications should be performed by expert personnel only. Follow the national and laboratory internal guidelines for work safety. Wear suitable protective clothing, safety eyewear and disposable gloves while handling.



www.sds-id.com



For additional safety information please refer to the information on the label and the corresponding Safety Data Sheet (SDS).

Download by QR-Code or link: [www.sds-id.com/100020-0](http://www.sds-id.com/100020-0)

### Expiry Date, Shelf life after opening, Storage



Expiry date see product label

At the storage temperature indicated on the label the reagent has a shelf life until the printed expiry date.



Shelf life after opening within the expiration date.

Avoid contamination after opening. Remove the required amount solely by pouring.

### Application

For general use it is recommend to use 1.0...5.0% solution in cold or hot water. For extreme cleaning use a dose up to 20%. Hot water and a low water-hardness (low carbonate) accelerate the cleaning process.

Dunk the laboratory equipment completely in the prepared cleaning solution. Rinse of all cleaning solution well with water and - if necessary to complete - with distilled water. Dry the equipment as usual.

### BioCubes

Open the 5L and 20L BioCubes as follows:

Press cardboard at the marked position and tear it away at the perforated point. Remove the cardboard pieces so that the carton is open in the area of the closure. Do not use sharp or sharp objects (danger of perforation of the inner container).

Then, pull out the closure. This then protrudes from the carton. For convenient removal, replace the closure with a BioCube filling tap and place the carton so that the filling tap is in the front.

For BioCubes are separately available: Opener and filling tap (multi use).

### Notes

This product information exclusively relates to the product described in this leaflet. In particular, this product information cannot be applied to similar reagents from other manufacturers.

Periodically check for updates of this product information on our website.

### Support/Information service

For methodological and technical support, please contact us by eMail at [support@bioanalytic.de](mailto:support@bioanalytic.de).

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### Waste Management

Please observe your national laws and regulations.

Used and expired solutions must be disposed of in accordance with your local regulations.

Inside the EU, national regulations apply that are based on the current, amended version of Council directive 67/548/EEG on the approximation of the laws, regulations and administrative provisions relating to the classification, packaging and labelling of dangerous substances.

Decontaminated packaging can disposed of as household waste or recycled, unless otherwise specified.

### Ordering Information

Have a look to our websites [www.bioanalytic.de](http://www.bioanalytic.de) ⇒ Products ⇒ Cleaning ... and you find:

- Cleaning agents with other and special properties.
- Cleaning agents for other use.
- Other and economical package sizes.

### Literature & Footnotes

Legends for the graphic symbols and tags used follow relevant norms or are available on our internet pages.