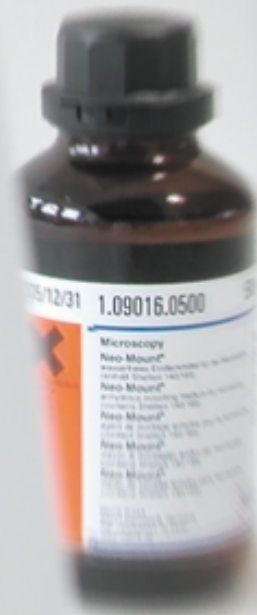


# The winning team!

Neo-Clear<sup>®</sup> and Neo-Mount<sup>®</sup>



Focussing your histology targets.



# The team.

## Neo-Clear® and Neo-Mount®

You are looking for a safe solution for all demands of the histological and cytological laboratories? Then go for this well-adjusted team by Merck. Neo-Clear® will assist you during every process from histoprocessing to de-paraffination and clearing after dehydration in staining process. Neo-Mount® is the perfect partner for the mounting.

You will not only score outstanding results but you will also protect your health. Both products contain aliphatic hydrocarbons and are nearly non-aromatic and odourless. Most importantly, Neo-Clear® is non-carcinogenic. Thus an incrimination of your health can be ruled out almost completely. You don't even have to change procedures in order to get identical results compared to the use of e.g. xylene.

Merck delivers the perfect matching with Neo-Clear® and Neo-Mount® – combined with your uncompromising commitment you will receive the ideal result.

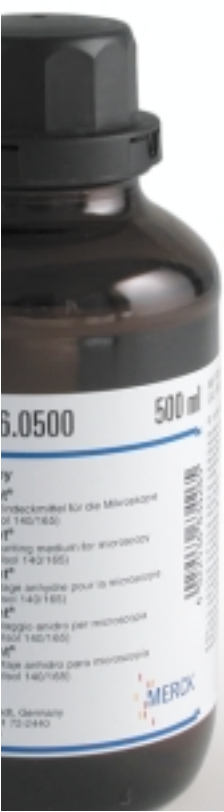


## Advantages of Neo-Clear®

- Nearly odourless
- Nearly non-aromatic
- Identical results compared to xylene
- No change of methods
- Paraffin solutes quickly
- Applicable in histoprocessing
- Less evaporation compared to xylene
- No higher demand for alcohols
- Low to zero incrimination of your health
- Low ecological damage
- Outstanding results in combination with Neo-Mount®

## Advantages of Neo-Mount®

- Nearly odourless
- Outstanding optical property
- High ease-of-use
- Delivers colorstable long-term preparations



## Ordering information

Product	Package size	Merck Cat. No.
Neo-Clear®	5 l	1.09843.5000
	4 x 5 l	1.09843.5004
Neo-Mount®	500 ml	1.09016.0500
Histosec® pastills (56–58 °C)	10 kg (4 x 2.5 kg), 25 kg	1.11609
Histosec® pastills (without DMSO)	10 kg (4 x 2.5 kg), 25 kg	1.15161
Ethanol absolute GR for analysis ACS, ISO, Reag. Ph Eur	1 l, 2.5 l, 5 l	1.00983
Ethanol denatured with about 1% ethyl methyl ketone GR for analysis	1 l, 2.5 l	1.00974

# Replace xylene with Neo-Clear®

## The non-aromatic solvent for routine tasks

Neo-Clear® is a aroma-free solvent that lives up to all demands of the histological and cytological laboratories. It can be used in the preparation of tissue and smear when it comes to clearing tissue from alcohol and other dehydration agents before the embedding process. Furthermore, Neo-Clear® will remove Paraffin from the slices after cutting.

Because xylene is widely used in the course of routine tasks, the results of its usage have become the standard all products have to meet or exceed. But xylene and toluol are aromatic solvents and their effectiveness stands in direct contrast to their unhealthy side effects. Therefore it has been tried to replace them with non-aromatic solvents in the last few years.

Neo-Clear® can be applied absolutely identically and it will deliver identical results in comparison to aromatic solvents.

## Applications

Histoprocessing with Neo-Clear®

Paraffin cuts

De-paraffination with Neo-Clear®

Staining



### Histoprocessing

Thoroughly dehydrate samples and remove alcohol by treating with intermedia that are miscible with alcohol and paraffin. This ensures total tissue penetration with paraffin and hence easier sectioning after blocking.

### Solution

Ethanol 50%

Ethanol 70%

Ethanol 70%

Ethanol 80%

Ethanol 90%

Ethanol 100% (denat.)

Ethanol 100% (denat.)

Ethanol 100% (denat.)

Neo-Clear®

Neo-Clear®

Histosec® or paraffin (60 °C)

Histosec® or paraffin (60 °C)

### Time

1 h

1 h

1 h

1 h

1 h

1 h

1 h

1 h

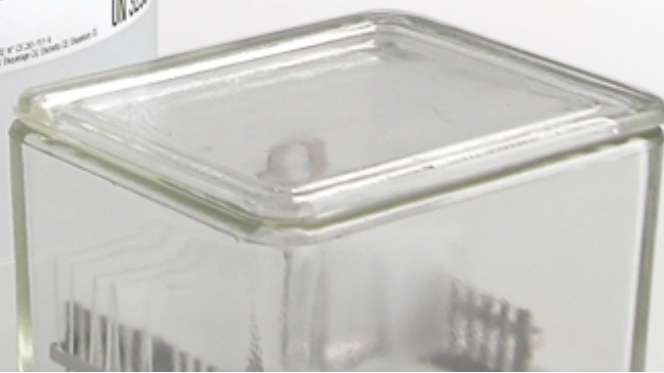
1 h

1 h

2 h

3 h

You will find more information in our Histosec®-Brochure (W.287107)



# Mount with Neo-Mount®

## The anhydrous mountant for microscopy

Neo-Mount® is a mounting media for long-term preparations in histology and cytology. In the course of long-term preparations anhydrous preparations are covered in a mountant containing solvents and with a cover glass. The evaporation of the solvent will cause the mountant to harden.

### Caption:

**Refraction index** 1.430 - 1.460

**Viscosity** 300 - 650 mPa s

**Storage** Room temperature

**Fluorescence** ≤ 250 ppb

Neo-Mount® consists of synthetic resins resolved in the non-aromatic xylene substitute Neo-Clear®. The evaporation rate of Neo-Clear® is slightly shorter than that of xylene. Therefore drying will take 20-30 minutes.

Neo-Mount® should be used for best optical property if Neo-Clear® was used as an intermedia after staining.

Dehydration  
with Neo-Clear®

Mounting with  
Neo-Mount®

Applying Neo-Clear® as solvent and Neo-Mount® will result in outstanding optical property and ease-of-use.



W 287115 06/04

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