

## NOVA Histo (20X)

<b>Cat#</b>	<b>LB0200-0200</b>
<b>Quantity</b>	<b>200ml</b>
<b>Storage Condition</b>	<b>RT</b>

### Introduction

When performing a paraffin embedded tissue section, the de-paraffin, rehydration and antigen retrieval treatment should be done before performing immunohistochemistry (IHC) staining. Traditional method use xylene, 100% alcohol, and retrieval buffer to do these steps. However, these chemicals are relative toxic, smell not good and expensive. NOVA Histo is a specialized product **IN ONE STEP** to treat your section from de-paraffin, rehydration to antigen unmask. NOVA Histonot only a non-toxic product to replace xylene, it also environmental friendly, that can easily prepare and easy to disposal. NOVA Histo can totally save your equipment, environment, health, time, and money.

### Protocol

#### A. For microwave method

1. Cut paraffin embedded section and expands it onto coated slide in hot water bath.
2. Dry the section on the slide drying hotplate at 45°C for to complete dried.
3. Dilute 20x NOVA Histo to 1x by distilled water.
4. Put the slide into **microwave resistant** plastic or glass staining slide rack.
5. Pour 1x NOVA Histo into staining slide rack. The used 1x NOVA Histo volume depend on the amount that can totally immerse the slide.
6. Heat the rack in the microwave oven on medium power for 1.5-2 minutes or to boiling.
7. Stop heating; let the slide rack cooling until to the cloudy-like liquid disappear. **(be careful to manipulate the hot rack)**
8. Check the de-paraffin efficiency, if not satisfied, re-run the step 6-7 again.
9. Wash the slide by distill water or IHC wash buffer.
10. Continue the IHC staining step according to your protocol.

#### B. For autoclave equipment method

1. Cut paraffin embedded section and expands it onto coated slide in hot water bath.
2. Dry the section on the slide drying hotplate at 45°C for to complete dried.
3. Dilute 20x NOVA Histo to 1x by distilled water.
4. Put the slide into **autoclave resistant** plastic or glass staining slide rack.
5. Pour 1x NOVA Histo into staining slide rack. The used 1x NOVA Histo volume depend on the amount that can totally immerse the slide.
6. Dewax the rack in the autoclave equipment at 121 °C for 30 minutes
7. Stop heating; let the slide rack cooling until to the cloudy-like liquid disappear. **(be careful to manipulate the hot rack)**
8. Check the de-paraffin efficiency, if not satisfied, re-run the step 6-7 again.
9. Wash the slide by distill water or IHC wash buffer.
10. Continue the IHC staining step according to your protocol.

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