

Deparaffinization Protocols: Tissue Arrays and Single Tissue Slides

Thank you for purchasing Folio products. Your slides may arrive in one of two formats:

1. Paraffin Section Coated with an Extra Protective Paraffin Layer
2. Uncoated Paraffin Section

Below please find Folio's recommendations for deparaffinization of each of these two types of slides. While Folio slides are suitable for any protocol that utilizes formalin fixed tissue, the protocols below are intended as general guidelines. Folio does not guarantee that these procedures are appropriate for your particular assay. Please consider the requirements of your assay carefully before deparaffinizing your arrays.

Deparaffinization Protocol: Paraffin Section Coated with an Extra Protective Paraffin Layer

1. Pretreatment:

Immediately prior to deparaffinization, the paraffin coated slide should be handled in accordance with one of the two treatments listed below:

- a. Kept at room temperature for 60 minutes; or
- b. Heated in dry oven at 55-60°C for 20 minutes, positioned so as to allow drainage of melting paraffin.

For most antigens and RNA, option (b) is recommended. Option (a) is provided for cases in which the target molecule is highly heat sensitive.

2. Immerse slide in xylene for 10 minutes. Repeat once in fresh xylene for 10 minutes.
3. If needed, repeat a third time in fresh xylene for 10 minutes.
4. Immerse slide in 100% ethanol for 2 minutes.
5. Immerse slide in 95% ethanol for 1 minute.
6. Immerse slide in 70% ethanol for 1 minute.
7. Immerse slide in 50% ethanol for 1 minute.
8. Immerse slide in 30% ethanol for 1 minute.
9. Immerse slide in 0.85% NaCl solution for 2 minutes.
10. Immerse slide in 1X PBS for 2 minutes.
11. Proceed with staining procedure, immunohistology, or *in situ* hybridization as directed by the manufacturer of your reagents.



Deparaffinization Protocol: Uncoated Paraffin Section

1. Pretreatment:

Immediately prior to deparaffinization, the paraffin coated slide should be handled in accordance with one of the two treatments listed below:

- a. Kept at room temperature for 60 minutes; or
- b. Heated in dry oven at 55-60°C for 20 minutes, positioned so as to allow drainage of melting paraffin.

For most antigens and RNA, option (b) is recommended. Option (a) is provided for cases in which the target molecule is highly heat sensitive.

2. Immerse slide in xylene for 10 minutes. Repeat once in fresh xylene for 10 minutes.
3. Immerse slide in 100% ethanol for 2 minutes.
4. Immerse slide in 95% ethanol for 1 minute.
5. Immerse slide in 70% ethanol for 1 minute.
6. Immerse slide in 50% ethanol for 1 minute.
7. Immerse slide in 30% ethanol for 1 minute.
8. Immerse slide in 0.85% NaCl solution for 2 minutes.
9. Immerse slide in 1X PBS for 2 minutes.
10. Proceed with staining procedure, immunohistology, or *in situ* hybridization as directed by the manufacturer of your reagents.

