# Cryo-Kit™

## - Intended Use -

CDI's Cryo-Kit™ is designed for rapid and precise staining of frozen sections. Cryo-Kit™ stains nuclear detail crisply and strongly, and it includes excellent counterstaining by eosins. All CDI formulations produce distinctive nuclear staining for rapid interpretation.

## - General Information -

Cryo-Kit™ produces magnificently stained tissue sections. Our Cryo-Hematoxylin™ has the optimum oxidation, the proper pH, the ideal amount of special added differentiators, and the correct amount of aluminum for a long shelf life. It is quality controlled to be at optimum staining power when shipped to you. This Cryo-Hematoxylin™ produces precise nuclear staining showing crisp nuclear membranes and nucleoplasm, exact staining of nucleoli, and just the right amount of staining of cytoplasmic carboxyl and sulfate groups to promote excellent differentiation of Cryo-Eosin™ as a counterstain. We are pleased to offer these rapid reagents, and we will enjoy working with you to achieve excellent frozen histologic staining using our Cryo-Kit™.

## - Fixation Procedure -

Cryo-Hematoxylin™ is used for nuclear staining following avariety of fixatives. We recommend CDI FrozenFix™ for fixation of frozen section tissues. Fixation of frozen sections requires only 5 seconds to support a rapid staining by CDI's Frozen Section Kit.

## - Staining Procedure -

CDI RECOMMENDED STAINING PROCEDURE FOR
CRYO-HEMATOXYLIN™ AND CRYO-EOSIN™
(REGRESSIVE HEMATOXYLIN STAINING)

*Initially deparaffinize tissue sections with CDI Zero Xylene™ or Xylene

| | Solution | Time |
|---|---|---|
| 1. | FrozenFix™…… | 5-10 seconds |
| 2. | Running $H_2O$ Wash…….. | 5 seconds |
| 3. | Cryo-Hematoxylin™……..... | 1 minute |
| 4. | Running $H_2O$ Wash…….. | 10 seconds |
| 5. | Cryo-Acid Alcohol™…… | 1 second |
| 6. | Running $H_2O$ Wash…….. | 5 seconds |
| 7. | Cryo-Bluing™ Solution……... | 2 seconds |
| 8. | Running $H_2O$ Wash…….. | 10 seconds |
| 9. | Cryo-Eosin™……..…… | 10 seconds |
| 10. | Ethanol……..…… | 10 seconds |
| 11. | Ethanol……..…… | 10 seconds |
| 12. | Xylene……..….. | 10 seconds |
| 13. | Xylene……..…….. | 10 seconds |
| 14. | Mount and coverslip with CoverSeal™ or an appropriate mounting medium. | |

**Note:** Each of these reagents can be intermixed and used with other staining sequences and other manufacturer's reagents.

CDI RECOMMENDED STAINING PROCEDURE FOR
CRYO-HEMATOXYLIN™ AND CRYO-EOSIN™
(PROGRESSIVE HEMATOXYLIN STAINING)

*Initially deparaffinize tissue sections with CDI Zero Xylene™ or Xylene

| | Solution | Time |
|---|---|---|
| 1. | FrozenFix™…… | 5-10 seconds |
| 2. | Running $H_2O$ Wash…….. | 5 seconds |
| 3. | Cryo-Hematoxylin™……..... | 30 seconds |
| 4. | Running $H_2O$ Wash…….. | 10 seconds |
| 5. | Cryo-Bluing™ Solution……... | 2 second |
| 6. | Running $H_2O$ Wash…….. | 10 seconds |
| 7. | Cryo-Eosin™……..…… | 10 seconds |
| 8. | Ethanol……..…… | 10 seconds |
| 9. | Ethanol……..…… | 10 seconds |
| 10. | Xylene……..….. | 10 seconds |
| 11. | Xylene…….. | 10 seconds |
| 12. | Mount and coverslip with CoverSeal™ or an appropriate mounting medium. | |

**Note:** Each of these reagents can be intermixed and used with other staining sequences and other manufacturer's reagents.

## - Packaging -

| Catalog# | Volume |
|---|---|
| **ST0011** | **Cryo-Kit, 500mL Each** |
| ST0009 | FrozenFix™, 500mL |
| ST0012 | Cryo-Hematoxylin™, 500mL |
| ST0001 | Cryo-Acid Alcohol™, 500mL |
| ST0003 | Cryo-Bluing™ Solution, 500mL |
| ST0005 | Cryo-Eosin™, 500mL |
| | |
| **ST0011-GAL** | **Cryo-Kit, 1 Gallon Each** |
| ST0010 | FrozenFix™, 1 Gallon |
| ST0013 | Cryo-Hematoxylin™, 1 Gallon |
| ST0002 | Cryo-Acid Alcohol™, 1 Gallon |
| ST0004 | Cryo-Bluing™ Solution, 1 Gallon |
| ST0006 | Cryo-Eosin™, 1 Gallon |


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