

### INTENDED USE

Properly diluted CBA Formalin is buffered 10% formalin in 70% alcohol. It is used as a histological fixative.

### PRODUCT SUMMARY

Formaldehyde fixation is a two-step process. First, formaldehyde forms addition products with macromolecules. Second, the formaldehyde adduct crosslinks the macromolecules, firming the tissue. While necessary for complete fixation, the crosslinks (methylene bridges) can block access to antigenic epitopes in immunohistochemistry procedures. Inadequate formalin fixation times can produce the formalin artifact described as nuclear bubbling, in which chromatin patterns are disrupted.

The 70% alcohol component of diluted CBA Formalin increases the penetration rate of the fixative and starts the dehydration process without excessive drying.

### INGREDIENTS

Formaldehyde, phosphate buffer, methanol (inherent to formaldehyde)

### WARNING

**DANGER. CONTAINS FORMALDEHYDE.** May cause cancer. Toxic if swallowed, in contact with skin or if inhaled. Causes serious eye damage. May cause sensitization by inhalation or by skin contact. Causes skin, eye, and respiratory irritation. Do not breathe vapors. Do not get on skin.

Methanol Warning:

**DANGER. POISON. ☠ VAPOR HARMFUL. MAY BE FATAL OR CAUSE BLINDNESS IF SWALLOWED. CANNOT BE MADE NONPOISONOUS.**

For In Vitro Diagnostic Use.

### STORAGE

Store at room temperature.

Avoid freezing; product is not harmed but container may break. Extreme cold may cause precipitation of buffer salts; dilution with deionized/distilled water will re-dissolve buffer salts.

Keep containers tightly closed when not in use.

Properly diluted product is flammable; store in a flammable cabinet.

### DIRECTIONS FOR USE

1. CBA Formalin must be diluted before use. To make 5 gallons:
  - a. Dilute 1 gallon of CBA Formalin with 3.5 gallons of anhydrous alcohol and 0.5 gallons of deionized/distilled water.
  - b. Use only ethanol, reagent alcohol or isopropyl alcohol.
  - c. Mix well.

2. Mixing and dispensing of CBA Formalin will be easier with a graduated five-gallon plastic carboy equipped with a spigot (ANATECH Catalog #003).
3. Diluted CBA Formalin may be used to hold tissue cassettes after grossing.
4. Processing recommendations:
  - a. Place diluted CBA Formalin in the first one or two stations on the tissue processor.
  - b. Diluted CBA Formalin may follow NBF on the tissue processor without any salt precipitation.
  - c. Alcohol concentrations of 70% – 95% may follow diluted CBA Formalin on the tissue processor without any salt precipitation.

### DISPOSAL

1. Contact a licensed professional waste disposal service to dispose of this material.
2. Dispose of contents/containers in accordance with governmental regulations.
3. Proper waste disposal is the generator's responsibility.

### SAFETY DATA SHEETS (SDS)

SDS are available online at [www.anatechltusa.com](http://www.anatechltusa.com).

### ORDERING INFORMATION FOR CBA FORMALIN

| <u>Cat#</u> | <u>Packaging</u> |
|-------------|------------------|
| 121         | 1 gallon         |