

# Chemicals: Fixation, Dehydration, Clearing

Cardinal Health™ Tissue Processing Chemicals



When making a diagnosis on the basic cellular level, you need the right products to get the right results. Cardinal Health offers a complete line of chemicals and reagents, color-coded for easy identification. From preservation to staining, we're here to provide the tissue processing products you need to help move your histology work forward.



# Dehydration



### Dehydrants

- Blend of ethyl, methyl and isopropyl alcohols
- Can be used as a dye or stain solvent
- Miscible with all clearing agents

Cat. no.	Description	Size	Qty.
C4305-10	100% reagent-grade alcohol	1 gal	4/cs
C4305-12	95% reagent-grade alcohol	1 gal	4/cs
C4305-14	80% reagent-grade alcohol	1 gal	4/cs
C4305-9	70% reagent-grade alcohol	1 gal	4/cs

# Fixation

### Formaldehyde 37% Solution

- Do not freeze
- 37% solution, USP
- HCHO FW 30.03
- Flash point: approx. 60°C (140°F)
- Store at 15° to 30°C
- Meets U.S.P. specifications
- Not intended for use as a disinfectant

Cat. no.	Size	Qty.
C4320	1 gal	4/cs
C4320-5	5 gal	1/ea



### Specimen Handi Packs

- Prefilled with 10% buffered formalin
- Pressure-sensitive inner seal protects against leakage
- Labels have two unique patient identifiers

Cat. no.	Size	Qty.
C4320-10H	20mL	192/cs
C4320-20H	40mL	96/cs
C4320-30H	60mL	96/cs
C4320-45H	90mL	96/cs
C4320-60H	120mL	96/cs



### Buffered 10% Formalin

- Active ingredients: formaldehyde, USP, 4%. pH is 6.9 to 7.1
- Buffered with phosphate buffer
- Not intended for use as a disinfectant

Cat. no.	Size	Qty.
C4320-101	1 gal	4/cs
C4320-105	5 gal	1/ea



### FormClick™ Prefilled Formalin Containers

- Prefilled with 10% buffered formalin
- Audible “clicking” sound assures complete closure
- Available in two sizes with double locking mechanisms

Cat. no.	Size	Qty.
CL20	20mL double-click containers	32 ea/pk; 128/case
CL40	40mL double-click containers	24 ea/pk; 48/case
CL60	60mL double-click containers	36 ea/pk; 72/case



### Methanol

- CH<sub>3</sub>OH FW 32.04
- Methanol-synthetic wood alcohol
- Nonphotochemically reactive
- Flash point: 12.2°C (54°F)
- Store at 15° to 30°C

Cat. no.	Size	Qty.
C4324	1 gal	4/cs
C4324-5	5 gal	1/ea



### Acetone

- (CH<sub>3</sub>)<sub>2</sub>CO FW 58.08
- Nonphotochemically reactive
- Flash point: -20°C (-4°F closed cup)
- Store at 15° to 30°C

Cat. no.	Size	Qty.
C4300	1 gal	4/cs
C4300-5	5 gal	4/cs

### Denatured Proprietary Ethanol (Anhydrous)

- Flash point: 12.8°C (55°F)
- Store at 15° to 30°C

Cat. no.	Size	Qty.
C4304	1 gal	4/cs



### Reagent Alcohol

- Nonphotochemically reactive
- Blend of ethyl, methyl and isopropyl alcohols
- Flash point is: 13°C (55°F)

Cat. no.	Size	Qty.
C4305	1 gal	4/cs



### Isopropyl Alcohol

- (2-Propanol) CH<sub>3</sub>CHOHCH<sub>3</sub> FW 60.10
- Flash point: 12°C (53°F)
- Store at 15° to 30°C

Cat. no.	Size	Qty.
C4307	1 gal	4/cs
C4307-5	5 gal	1/ea



### Toluene

- (Methanol Anhydrous)
- CH<sub>3</sub>OH FW 32.04
- Methanol-synthetic wood alcohol
- Nonphotochemically reactive
- Flash point: 4°C (39.3°F)
- Store at 15° to 30°C

Cat. no.	Size	Qty.
C4329	1 gal	4/cs
C4329-5	5 gal	4/cs



## Clearing



### Xylene

- $C_6H_4(CH_3)_2$  FW 106.17
- Flash point: 17° to 25°C (63° to 79°F)
- Boiling range: 137° to 144°C
- Store at 15° to 30°C
- Residue after evaporation: 0.002% max.
- Water: 0.05% max.

Cat. no.	Size	Qty.
C4330	1 gal	4/cs
C4330-5	5 gal	1/ea



### Xylene-free aliphatic clearing reagent

- Solution contains no xylene
- Low-toxicity, all-organic compound
- Flash point: 121°F

Cat. no.	Size	Qty.
C4200-2	1 gal	4/cs

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Expertise. Choice. Efficiency. Savings.

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Cardinal Health  
Laboratory Products  
Waukegan, Illinois