HistoChoice® Tissue Fixative

<table>
<thead>
<tr>
<th>Code</th>
<th>Description</th>
<th>Size</th>
</tr>
</thead>
<tbody>
<tr>
<td>H108-1GAL</td>
<td>HistoChoice® Tissue Fixative, 1X</td>
<td>1 gallon</td>
</tr>
<tr>
<td>H108-4G</td>
<td>HistoChoice® Tissue Fixative, 1X</td>
<td>4 gallons</td>
</tr>
<tr>
<td>H108-16L</td>
<td>HistoChoice® Tissue Fixative, 1X</td>
<td>4 x 4 L</td>
</tr>
<tr>
<td>H112-15ML</td>
<td>HistoChoice® Tissue Fixative With Alcohol</td>
<td>15 mL pre-filled cups, 100/case</td>
</tr>
<tr>
<td>H112-30ML</td>
<td>HistoChoice® Tissue Fixative With Alcohol</td>
<td>30 mL pre-filled cups, 100/case</td>
</tr>
<tr>
<td>H112-90ML</td>
<td>HistoChoice® Tissue Fixative With Alcohol</td>
<td>90 mL pre-filled cups, 50/case</td>
</tr>
<tr>
<td>H131-20L</td>
<td>HistoChoice® Tissue Fixative With Alcohol</td>
<td>20 L</td>
</tr>
</tbody>
</table>

General Information

HistoChoice® Tissue Fixative improves healthcare delivery because it is safer to use than formalin-based fixatives and is gentle on tissues and the environment. HistoChoice® Tissue Fixative directly replaces common fixatives, including formalin-based, alcohol-based, Zenker’s, B5, and Bouin’s fixatives. Additionally, it can also be used in sequence with other fixatives. The preservative characteristics of HistoChoice® Tissue Fixative make it more effective than standard formaldehyde-based products. It yields vibrant staining characteristics and consistent results, even after long-term fixation. The versatility of HistoChoice® Tissue Fixative makes it optimal for use in histopathology, cytology, histochemistry, immunohistochemistry and molecular pathology. It preserves tissue integrity, eliminating the need for marker recovery procedures.

HistoChoice® Tissue Fixative is economical to use as it does not require additional reagents for recovery procedures as do formalin-based fixatives. HistoChoice® also eliminates the need for expensive ventilation systems and reduces disposal costs. HistoChoice® is compatible with manual and automated processing procedures and equipment.
VWR Life Science AMRESCO’s HistoChoice® Tissue Fixative is available in pre-filled cups as a safe, convenient solution to on-site tissue collection and transport. The wide mouth, pre-labeled cups are ideal for use in doctor’s offices, operating rooms, emergency rooms and outpatient clinics.

- No crosslinking of tissues as with formalin-based fixatives
- Minimizes disposal and compliance costs
- Available without (H108) or with 18% alcohol (H112)
- A safe, non-toxic fixative – contains no formaldehyde, glutaraldehyde or mercury

Storage/Stability

Store at room temperature (18 – 26°C).

Product Use Limitations

For research use only. Not for therapeutic or diagnostic use.

Protocol/Procedure

HistoChoice® Tissue Fixative, 1X (H108 does not contain alcohol and H112 contains 18% alcohol)

Note: HistoChoice® Tissue Fixative is designed to replace formalin and may be used in the customer’s standard protocol with the following considerations:

- Warm HistoChoice® Tissue Fixatives to room temperature before use.
- For fixation of large organs, such as brain or lung, use fast perfusion to ensure that all tissue areas are contacted by HistoChoice® Tissue Fixative as quickly as possible to minimize autolytic changes.
- Fixation of 0.5 cm x 0.5 cm specimen will be complete in 3 to 4 hours.
- HistoChoice® is a non-crosslinking fixative. Tissues will be softer and exhibit a more natural appearance than formalin-fixed tissues.
Directions for Use

- For long-term storage of large tissue samples, or to obtain firmer tissue, the use of HistoChoice® Tissue Fixative With Alcohol (H112) is recommended. Alternatively, 15-20% alcohol may be added to HistoChoice® Tissue Fixative, 1X (H108). The presence of the alcohol helps prevent bacterial and fungal growth by reducing surface tension. The alcohol will also slightly harden the tissues, giving them a feel similar to formalin-fixed tissues.

- HistoChoice® Tissue Fixatives may be safely used on tissue processors with no procedural changes required.

- **Do not predigest tissue** (proteinase K, trypsin, etc.)!

- In many instances, primary probe or primary antibody concentration may be decreased by up to 50% without compromising results of *in situ* hybridization and immunohistochemistry experiments.

- Blood-rich samples, such as placenta and spleen, may appear to have lysed red blood cells (RBC).

References


_HistoChoice® Tissue Fixative is protected under US Patent numbers 5,429,797 and 5,439,667._
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