



Remitigate Therapeutics

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Three Hand Sanitizer Formulation Alternatives

Formulation 1: Ethanol Antiseptic 80% Topical Solution

Prepare Ethanol Antiseptic Topical Solution containing ethanol 80% (v/v) as follows (see *Pharmaceutical Compounding—Nonsterile Preparations* <795>).

Ethanol 96%	8333 mL
Hydrogen Peroxide 3%	417 mL
Glycerol 98%	145 mL
Water, ^a a sufficient quantity to make	10000 mL

^a Water may be distilled water, cold boiled potable water, reverse osmosis water, or filtered water.

Measure the quantities of *Ethanol*, *Hydrogen Peroxide*, and *Glycerol* in suitable containers. Transfer the *Ethanol* and *Hydrogen Peroxide* into a suitable calibrated container and mix gently. Transfer the *Glycerol* stepwise and quantitatively into the calibrated container and mix gently after each addition. Rinse the container containing glycerol several times with *Water* and add the contents to the calibrated container. Add sufficient *Water* to bring to final volume. Mix well. Transfer the solution into suitable containers.

- ▶ **Packaging and Storage:** Package in well-closed, suitable containers and store at controlled room temperature.
- ▶ **Labeling:** Label to state for external use only, the percentage of ethanol, and the *Beyond-Use Date*.
- ▶ **Beyond-Use Date:** NMT 30 days after the date on which it was compounded, when stored at controlled room temperature.

Formulation 2: Isopropyl Alcohol Antiseptic 75% Topical Solution

Prepare Isopropyl Alcohol Antiseptic Topical Solution containing isopropyl alcohol 75% (v/v) as follows (see *Pharmaceutical Compounding—Nonsterile Preparations <795>*)

Isopropyl Alcohol 99%	7576 mL
Hydrogen Peroxide 3%	417 mL
Glycerol 98%	75 mL
Water, ^a a sufficient quantity to make	10000 mL

^aWater may be distilled water, cold boiled potable water, reverse osmosis water, or filtered water.

Measure the quantities of *Isopropyl Alcohol*, *Hydrogen Peroxide*, and *Glycerol* in suitable containers. Transfer the *Isopropyl Alcohol* and *Hydrogen Peroxide* into a suitable calibrated container and mix gently. Transfer the *Glycerol* stepwise and quantitatively into the calibrated container. Mix gently after each addition. Rinse the container containing glycerol several times with *Water* and add the contents to the calibrated container. Add sufficient *Water* to bring to final volume. Mix well. Transfer the solution into suitable containers.

- ▶ **Packaging and Storage:** Package in well-closed, suitable containers and store at controlled room temperature.
- ▶ **Labeling:** Label to state for external use only, the percentage of isopropyl alcohol, and the *Beyond-Use Date*.
- ▶ **Beyond-Use Date:** NMT 30 days after the date on which it was compounded, when stored at controlled room temperature.

Formulation 3: Isopropyl Alcohol Antiseptic 75% Topical Solution

Prepare Isopropyl Alcohol Antiseptic Topical Solution containing isopropyl alcohol 75% (v/v) as follows (see *Pharmaceutical Compounding—Nonsterile Preparations* <795>).

Isopropyl Alcohol 91%	8242 mL
Hydrogen Peroxide 3%	417 mL
Glycerol 98%	75 mL
Water, ^a a sufficient quantity to make	10000 mL

^aWater may be distilled water, cold boiled potable water, reverse osmosis water, or filtered water.

Measure the quantities of *Isopropyl Alcohol*, *Hydrogen Peroxide*, and *Glycerol* in suitable containers. Transfer the *Isopropyl Alcohol* and *Hydrogen Peroxide* into a suitable calibrated container and mix gently. Transfer the *Glycerol* stepwise and quantitatively into the calibrated container. Mix gently after each addition. Rinse the container containing glycerol several times with *Water* and add the contents to the calibrated container. Add sufficient *Water* to bring to final volume. Mix well. Transfer the solution into suitable containers.

- ▶ **Packaging and Storage:** Package in well-closed, suitable containers and store at controlled room temperature.
- ▶ **Labeling:** Label to state for external use only, the percentage of isopropyl alcohol, and the *Beyond-Use Date*.
- ▶ **Beyond-Use Date:** NMT 30 days after the date on which it was compounded, when stored at controlled room temperature.

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