



**Product Code: RSP04**

**Packing : 60ml**

**Product Code: RSP05**

**Packing : 500ml**

**Active Ingredients:**

Isopropyl Alcohol 70% + Chlorhexidine gluconate 2%

CDC has published a new guideline intended to provide evidence-based recommendations for preventing intravascular catheter-related infections: **Guidelines for the Prevention of Intravascular Catheter-Related Infections, 2011.**

One of the major areas of emphasis is using a **> 0.5%** chlorhexidine skin preparation with alcohol for antisepsis. The guidelines' recommendations for skin preparation are:

1. Prepare clean skin with an antiseptic (70% alcohol, tincture of iodine, an iodophor or chlorhexidine gluconate) before peripheral venous catheter insertion [82]. Category IB
2. Prepare clean skin with a **> 0.5%** chlorhexidine preparation with alcohol before central venous catheter and peripheral arterial catheter insertion and during dressing changes. If there is a contraindication to chlorhexidine, tincture of iodine, an iodophor, or 70% alcohol can be used as alternatives [82, 83]. Category IA
3. No comparison has been made between using chlorhexidine preparations with alcohol and povidone-iodine in alcohol to prepare clean skin. **Unresolved issue.**
4. No recommendation can be made for the safety or efficacy of chlorhexidine in infants aged <2 months. **Unresolved issue.**
5. Antiseptics should be allowed to dry according to the manufacturer's recommendation prior to placing the catheter [82, 83]. Category IB

**SteriPrep** formulation contains 70% isopropyl alcohol (IPA) and 2% chlorhexidine gluconate (CHG) and it is safe and effective for use prior to invasive procedure where povidone iodine is currently used.

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| <b>Rapid action</b>                                  | IPA kills microorganisms rapidly by denaturing of protein   |
| <b>Persistence activity</b>                          | CHG derives its antimicrobial activity by causing disruption of cell membrane and precipitation of cell contents. It binds strongly on the stratum corneum of the skin, provides excellent residual antimicrobial activity.   |
| <b>Broad spectrum</b>                                | The combination of the <u>rapid action</u> of 70% alcohol and the <u>persistence effect</u> of CHG would seem to offer a desirable antiseptic combination <sup>2</sup> . These combinations provide excellent antimicrobial activity against a wide range of Gram-positive and Gram-negative bacteria, fungi and viruses. |
| <b>Remain active in the presence of organic soil</b> | Unlike other antiseptic agents, CHG remains active in the presence of organic soils like blood and other proteinaceous material.  |
| <b>Low irritation</b>                                | CHG caused lower irritation as compared to PVP-Iodine   |

**Indication:**

- For antiseptic skin preparation

**Directions for use:**

If skin is visibly soiled, cleanse and dry before using **SteriPrep**. Apply **SteriPrep** to the site by pouring directly from the container or by using sterile gauze and permit to dry.

**SteriPrep SHOULD NOT be used:**

- In children less than 2 months of age as the safety or efficacy of chlorhexidine in infant is still an unresolved issue.
- On patients with known allergies to IPA or CHG
- For lumbar puncture or in contact with the meninges
- On open skin wounds or as a general skin cleanser
- In or around eyes, brain, meninges, middle ears, mouth, and other mucous membrane. Not suitable for use in body cavities.

**Precautions:**

- Solution contains alcohol and gives off **flammable vapors** — allow to dry three to five minutes on skin.
- Do not drape or use ignition source (e.g., laser) until solution is completely dry. *This may take a few minutes or more, depending on the amount and location of the solution.* (minimum of 3 minutes on hairless skin; up to 1 hour in hair). *The prepped area should be inspected to confirm it is dry prior to draping.*
- If used before diathermy, ensure that the skin and surrounding drapes are completely dry.
- Avoid getting solution into patient's hair or linens. **Wet hair or linens are flammable.** Hair may take up to 1 hour to dry.
- Do not allow the solution to pool
- Remove any soaked materials, drapes, and gowns before using ignition sources
- Whenever prepping the neck area, place sterile towels under each side to absorb excess solution and then remove.
- Localized allergic reactions may occur with the use of this product in sensitive individuals. If redness or irritation occurs, stop using the product.

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