



ready-to-use, Single use alcohol-based skin prior to injections, incisions, punctures, pre- and post-surgical disinfection



▪ **Description**

NovaSurg is a ready-to-use, Single use alcohol-based skin disinfectant for swabbing or spraying of the skin. It is well-suited for skin disinfection prior to injections, incisions, punctures, blood-withdrawals, catheter insertions, minor surgical interventions and minor accidental injuries and can also be used for pre- and post-surgical disinfection. NovaSurg is extremely gentle to the skin and free from aldehydes, phenols and quaternary ammonium compounds.

Rapid and persistent action: perfect symbiosis between the rapid action of isopropyl alcohol and the long-lasting antimicrobial activity of Chlorhexidine.

▪ **Advantages**

- Effective against a variety of microorganisms
- Fast effect (60 seconds)
- Using the synergistic effect of two types of biocide to increase effectiveness
- Contains emollients and moisturizers to prevent dry skin
- No need for rinsing

Efficacy Result

• **Mechanism of antimicrobial action**

It has both bacteriostatic (inhibits bacterial growth) and bactericidal (kills bacteria) mechanisms of action, depending on its concentration. Chlorhexidine kills by disrupting the cell membrane. Upon application in vitro, chlorhexidine can kill nearly 100% of Gram-positive and Gram-negative bacteria within 30 seconds.

At physiologic pH, chlorhexidine salts dissociate and release the positively charged chlorhexidine cation. The bactericidal effect is a result of the binding of this cationic molecule to negatively charged bacterial cell walls. At low concentrations of chlorhexidine, this results in a bacteriostatic effect; at high concentrations, membrane disruption results in cell death.

Chlorhexidine, like other cation-active compounds, remains on the skin. As a result, it shows long-term antimicrobial effects. It is frequently combined with alcohols (ethanol and isopropyl alcohol).

Isopropyl Alcohol is an isomer of propyl alcohol with antibacterial properties. Although the exact mechanism of isopropanol's disinfecting action is not known, it might kill cells by denaturing cell proteins and DNA, interfering with cellular metabolism, and dissolving cell lipo-protein membranes.

▪ **Compositions**

Chlorhexidine Digluconate, isopropanol

▪ **Instruction for use**

Apply the product directly to the skin or by a swab, rubbing the area to be treated with circular movements. Let it dry for minimum 3 minutes.

▪ **Warnings and Precautions**

- Inspect the container before use.
- The solution should be clear and without any suspended particles.
- For external use only.
- Avoid using for deep and open wounds.
- Avoid the use of NovaSurg for children under two months.
- Avoid contact with head, face, eyes, ears and mouth.
- Avoid from drinking and inhaling of solution.
- This product is flammable and avoid spraying it on fire.
- In closed containers, store at 5 to 35 ° C away from direct sunlight and combustible materials.
- In case of accidental contact or swallowing, immediately wash the area and see a doctor.

▪ **Packaging**

2 × 5 L / 40 × 250cc/ 12 × 1L

▪ **Shelf -life**

24 months from manufactured date

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