

# antimicrobial

(ăn'' tĭ-mĭ-krō' bē-ăl)

### DEFINITION:

An agent that destroys or prevents the development of microorganisms.



### KEEP IN MIND:

Cleansing the insertion site with an antimicrobial reduces the potential for infection. The following antimicrobial solutions may be used to prepare the site for cannulation: Iodophor (povidone-iodine), 70% isopropyl alcohol, chlorhexidine (Chloraprep), tincture of iodine, 2%.

### APPLICATION:

Current research indicates that using the *antimicrobial* chlorhexidine gluconate for preparing insertion of a peripheral catheter has antibacterial properties for 24 hours.

### NOTES:

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# iontophoresis

(ī-ŏn" tō-fō-rē'sīs)

### DEFINITION:

The introduction of an electric current into a salt solution, causing migration of the metal ion to the negative pole and the radical (negative) ion to the positive pole. Introduction of various ions into tissues through the skin by means of electricity.



### KEEP IN MIND:

Iontophoresis is a drug delivery method that uses a small external electric current. Lidocaine HCL and epinephrine are both positively charged in the pH 4.5 Iontocaine solution to provide dermal anesthesia.

### APPLICATION:

*Iontophoresis* was used to provide local anesthesia to the pediatric client prior to venipuncture.

### NOTES:

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