

VITAL DEFENSE[®]-D

Concentrated Surface Disinfectant and Holding Solution

Lemon
Scent



Vital Defense-D is a concentrated surface disinfectant and cleaner in one product, approved for use in medical and dental settings.

Broad Spectrum Disinfecting Power:

- Inactivates benchmark *M. tuberculosis* var. *bovis* and many other organisms.
- Meets CDC guidelines for surface disinfection in the presence of blood and other soils.

Also Effective Against:

- Viruses including: HIV-1, Hepatitis B and C and Herpes simplex virus type 1 and 2 (see Note 1).
- Vegetative bacteria including: *Staphylococcus aureus*, MRSA-HA and CA, *Salmonella typhosa* and *Pseudomonas aeruginosa*.
- Fungi including: *Trichophyton mentagrophytes*.

Four Applications in One Product:

- Surface cleaner: Contains detergents and surfactants for essential pre-cleaning.
- Intermediate-level disinfectant.
- Ultrasonic instrument cleaning and holding solution.
- Disinfect dental impressions and appliances.

Water Based Formula with Non-Alcohol Actives:

- Water based formula preferred for a wide variety of surfaces including vinyl, metals, plastics, tubing and faux leather upholstery.
- Will not stain or bleach hard surfaces.
- Stays wet on surfaces longer for full contact time.
- Use around electronics is consistent with manufacturers' recommendations for non-alcohol, non-bleach formula.

Hard on Germs - Not on Bare Hands!

- So safe it is now EPA approved for use after dilution without gloves (in absence of bio-hazards).

Convenient and Pleasant to Use:

- Light lemon scent at use dilution.
- One ounce per quart dilution is easy to measure.
- Reduce inventory: One product to clean and disinfect.
- Formulated for effective action in hard water.

Residual Activity:

- Sustained antimicrobial action after application which is not found with alcohol or bleach compounds.

Approved for 60 Day Use:

- The only concentrated phenolic surface disinfectant approved for 60 day use life after dilution.

Economical Choice:

- 32 ounces makes 8 gallons of diluted solution.
- Concentrate reduces shipping costs and storage space.



Vital Defense-D Description	Case Qty	Order#
Quart Bottle	12	VITAP32
System Kit - (4) quart bottles, (2) 16 oz. empty spray bottles, (2) squirt caps	1	VITAPSYS

VITAL DEFENSE®-D

Concentrated Surface Disinfectant and Holding Solution

Description:

Vital Defense-D is a concentrated surface disinfectant and cleaner in one product, approved for use in medical and dental settings.

Intended Use:

Vital Defense-D is a broad spectrum antimicrobial disinfectant and cleaner. It is tuberculocidal and meets CDC guidelines for intermediate-level disinfectant use when blood and body soils are likely to be present. Detergents in the water based formula provide effective cleaning. It may be used on surfaces, as a cleaning solution for instruments and as a disinfectant for dental impressions and appliances.

Product Specifications:

Active Agents: 9% o-phenylphenol
1% o-benzyl-p-chlorophenol
Dilution: 1:32
EPA Reg. #: 46851-1-74975
Solution Color: Natural color
Odor: Lemon scent when diluted
Use Life: 60 days for diluted unused solution
Shelf Life: 2 years from date of manufacture

Product Capabilities:

Kills a broad range of microorganisms including HIV-1 in 60 seconds and the following in ten minutes: Escherichia coli 0113, Staphylococcus aureus, MRSA-HA and CA, Salmonella typhosa, Pseudomonas aeruginosa, M. tuberculosis var. bovis, fungi including Trichophyton mentagrophytes, viruses including Hepatitis B and C, influenza virus type A1 (New Jersey) and influenza B (Maryland), Herpes virus types 1 and 2 and Vaccinia virus.

Note 1: "Potency against M. tuberculosis has been recognized as a substantial benchmark. Any germicide with a tuberculocidal claim on the label is considered capable of inactivating a broad spectrum of pathogens, including such less resistant organisms as bloodborne pathogens (e.g., Hepatitis B virus, Hepatitis C virus and HIV)."

CDC Guidelines for Infection Control in Dental Healthcare Settings – 2003. MMWR 2003;52(No.RR-17): p. 63.

Cleans and Disinfects:

Because effective disinfection relies on effective removal of soil, Vital Defense-D is ideal for both steps – no need for two separate products. Special detergents in Vital Defense-D clean even dried on blood and other soils.

Safe for Surfaces:

Vital Defense-D is a water based disinfectant with non-alcohol actives. Water based disinfectant formulas are preferred by upholstery manufacturers. And, unlike alcohol based formulas, Vital Defense-D will not soften or haze vinyls and plastic.

Vital Defense-D will not corrode metals or stainless steel counters as may occur with bleach and hydrogen peroxide based products. It will not stain or bleach surfaces even with repeated use.

How to Use:

For surface disinfection – use the 2 step method:

- Clean by wiping surfaces thoroughly with diluted Vital Defense-D and paper towels or 4 x 4 gauze to remove all soils.
- Disinfect by reapplying diluted Vital Defense-D disinfectant, keeping surfaces wet for 10 minutes. Wipe off excess solution after contact time is completed.

For instrument holding and cleaning solution:

- Fill pan or ultrasonic tank with diluted Vital Defense-D solution. Immerse items so that all surfaces are covered with solution. Soak for a minimum of 10 minutes. Do not soak items more than two hours or overnight due to corrosive nature of tap water.

For disinfecting dental impressions and appliances:

- Rinse and remove gross debris from item. Place impression or appliance inside baggie, thoroughly wet all surfaces with Pathex solution, allow 10 minute contact time, remove item and rinse gently.

Use Precautions:

A slight soap film may occur upon repeated application of Vital Defense-D due to detergents in the formula. Simply wipe surfaces off at least weekly with plain water and paper towels.

Rinse garments or surfaces where Vital Defense-D is used prior to application of any bleach product.

Store concentrate and diluted prepared solution away from direct heat and direct sunlight. Mixing with hard water may cause cloudiness which does not affect disinfectant properties. Avoid freezing during shipping or storage.

How to prepare solution for 16 oz. bottle:



Dispense 1/2 oz. (15 ml.) of Vital Defense-D to empty bottle. (60 day shelf life begins)



Add tap water slowly to fill bottle to bottom of cap threads. Screw sprayer head or squirt top on bottle. Gently swirl bottle contents to evenly mix solution prior to use.



Clean and disinfect surfaces using spray nozzle or optional squirt cap. Make sure the adjustable spray nozzle is in open position prior to use.