**Product Description**

*One Step Parvo-Tech* is a synthetic detergent concentrate combined with a high powered 26% multiple chlorophenolic disinfectant, with a use dilution of one half (½) ounce per gallon of water (1:256). *One Step Parvo-Tech* has a broad spectrum kill of gram positive and gram negative micro-organisms. *One Step Parvo-Tech* is Staphylococcal, Pseudomonas, Salmonella, Aspergillus, Tubercle, Virucidal, Fungicidal, and Moldicidal. *One Step Parvo-Tech* is ideally suited for use in Poultry and Turkey Barns, Hatcheries, Pork Producing Facilities, Equine Facilities, Animal Care Facilities, Hospitals, and Health Care Institutions. *One Step Parvo-Tech* is also recommended for use in fogging (wet misting) systems to reduce airborne contaminants.

*One Step Parvo-Tech* is a HIGH FOAMING Disinfectant-Cleaner and can be applied through the use of high or low pressure spraying equipment, sponge or mop applications, foaming apparatus, or any other conventional cleaning methods.

**Microbiological and Virucidal Test Work**

The requirements of the E.P.A. (Environmental Protection Agency) recognizes the test methods of the A.O.A.C. (Association of Official Analytical Chemists) as being the official testing procedures. Using these TEST METHODS (14th Edition, 1985), *One Step Parvo-Tech* has been proven effective against a broad spectrum of HIGHLY RESISTANT ORGANISMS including:

- Adenovirus, avian & canine
- Aspergillus
- Alcaligenes
- Avian influenza
- Feline Calicivirus
- Canine Parvovirus
- E. coli
- Equine viral arteritis
- Infectious bronchitis
- Klebsiella
- Laryngotracheitis (LT)
- Mycoplasma gallisepticum
- Mycoplasma synoviae
- Mouse hepatitis
- Newcastle disease
- Parvovirus
- Pasteurella multocida
- Pseudorabies
- Reovirus
- Rhodococcus equi
- Porcine Reproduction and Respiratory Syndrome Virus (PRRS)
- Rotavirus, avian & swine
- Salmonella arizonae
- Salmonella choleraesuis
- Salmonella enteritidis
- Sendai virus
- Saphylycos (greasy pig)
- Streptococcus equi
- Streptococcus suis, Type II
- TGE

See reverse side for complete list.

All microbiological testing has been done in the presence of 10% horse serum (as organic soil) and 1,000 ppm CaCO₃ (as hard water). No other disinfectant product has been tested and passed at these levels.

**Product Chemistry**

**Color** varies between dark amber and purple upon aging**;

*(Color variance has no relationship to efficacy or cleaning ability)*.

** characteristic of chlorophenols

** Odor** pleasant, clean, lemon

**Viscosity** 20.53 CST @ 100°F

**Flash Point** *One Step Parvo-Tech* has the following flash point properties:

- Pensky Marten Closed Cup: 102°F

*Corrosion Test Summary*

Using the ASTM D-930 procedure, samples of anodized aluminum, galvanized metal, and stainless steel were tested at (1) ounce per gallon at 110°F for (8) hours. No Observable Attack on Specimens.

** Samples of aluminum and stainless steel were tested at (½) ounce per gallon at 145°F for (24) hours. No Observable Attack on Specimens.**

**Conductivity Test**

*One Step Parvo-Tech* has been tested by Hood-Patterson-Dewar, Electrical Testing Engineers for its effect on conductive flooring. The method used conforms to the specifications known as NFPA Standard No. 56A, published by the National Fire Protection Association, Second Edition, 1987. *One Step Parvo-Tech* meets the requirement of NFPA 56A.
Virucidal-Testing

The following viruses have been tested in accordance with U.S. Environmental Protection Agency Pesticide Assessment Guidelines on inanimate environmental surfaces.
The following viruses have been tested in 10% blood serum (as organic soil) and 1,000 ppm water hardness as calcium carbonate (CaCo.).

- Avian infectious bronchitis virus, Beaudette Strain (IB)
- Avian reovirus, Strain UConn 1133
- Avian influenza, Strain A / Turkey / Wisc / 68 (AI)
- Avian laryngotracheitis, Strain N-7 1851 (LT)
- Avian adenovirus, Strain CELO
- Avian rotavirus, Strain AVR-1 (Nagaraja), University of MN.
- Canine adenovirus
- Canine coronavirus
- Canine parvovirus, Strain MLV, Cornell University
- Duck enteritis virus, Maple Leaf Farms (DVE)
- Equine rotavirus, Texas A&M University
- Equine viral arteritis (EVA)
- Feline calcivirus
- Feline rhinotracheitis
- HIV-1, (AIDS Virus)*
- Herpes simplex, Type I, Strain MP
- Human influenza A, Strain A2 / Hong Kong /8/68
- Mouse hepatitis virus, Strain A59
- Newcastle disease virus, NJ-Roakin Strain
- Parainfluenza I, Sendai Strain, Type I
- Pseudorabies virus, Aujeszky Strain (PRV)
- Porcine rotavirus, Strain OSU
- Equine rhinopneumonitis (Equine herpes)
- Transmissible gastroenteritis virus, Purdue Strain (TGE)

Hard Surface Mildewcidal Test Method

CSMA Method 24 in 10% blood serum (as organic soil) and 1,000 ppm water hardness as calcium carbonate (CaCo.).

- Aspergillus niger (Black Mold)
- Penicillium variable (Green Mold)

*Testing completed October 2, 1989 (U.S. E.P.A. Pesticide Assessment Guidelines, Subdivision C. Product Performance, 1982, Section 91-30, PP 72-76) indicates One Step Parvo-Tech to be virucidal for HIV-1 (Aids virus) at dilutions of 1:256 in the presence of 10% blood serum and 1,000 ppm (CaCo.).

Toxicity Testing

A. Acute Oral LD₅₀ Study (using One Step Parvo-Tech)

B. Four Hour Acute Aerosol Inhalation Toxicity Study (using use-dilution of 1:256)

C. Primary Dermal Irritation Study (using use-dilution of 1:256)

All work relating to these studies were done in conformity with F.D.A. and E.P.A. Good Laboratory Practice Regulations. The studies were inspected during their progress, by a Quality Assurance Specialist according to American Biogenics Corporation Standard Operating Procedure (SOP). Results available upon request.

D. Primary Eye Irritation (using One Step Parvo-Tech concentrate)

E. Acute Dermal Toxicity Limit Test (using use-dilution of 1:256)

F. Guinea Pig Sensitization Test (using One Step Parvo-Tech in 1.5% concentrate)

These studies were carried out in compliance with Product Safety Labs Standard Operating Procedures and E.P.A. Good Laboratory Practices Regulations. There were no deviations that impacted the integrity or validity of the study.

One Step Parvo-Tech has been accepted and registered by the Environmental Protection Agency (E.P.A.) and has been assigned E.P.A. Registration number 3862-177.

Microbiological-Testing

Proven effective as a disinfectant by the following tests:
A.O.A.C. (use-dilution test method) in conformance with the 14th Edition, 1985. All dilutions at (% ounce per gallon (1:256). The following organisms were tested in 10% blood serum (as organic soil) and 1,000 ppm water hardness as calcium carbonate (CaCo.).

- Alcaligenes faecalis
- Alcaligenes faecalis, Georgia Strain
- Aspergillus fumigatis
- Beta streptococcus
- Bordetella bronchiseptica
- Candida albicans AOAC Fungicidal Test
- Enterobacter aerogenes
- Enterococcus Group D Species
- Escherichia coli
- Haemophilus parasuis
- Klebsiella pneumoniae
- Microsporum canis AOAC Fungicidal Test
- Microsporum gypseum AOAC Fungicidal Test
- Mycobacterium bovis (BCG) AOAC Tuberculooidal Test
- Mycoplasma gallisepticum
- Mycoplasma synoviae
- Mycoplasma hyopneumoniae
- Pasteurella anatipestifer
- Pasteurella multocida (Fowl cholera)
- Proteus vulgaris
- Pseudomonas aeruginosa
- Rhodococcus equi
- Salmonella arizonae
- Salmonella choleraesuis
- Salmonella choleraesuis, Kunzendorf Strain
- Salmonella enteritidis
- Salmonella gallinarum
- Salmonella pullorum
- Salmonella schottmuelleri
- Salmonella typhimurium
- Shigella sonnei
- Staphylococcus aureus, Methicillin Resistant (MRSA)
- Staphylococcus aureus
- Staphylococcus epidermis
- Staphylococcus hyicus (greasy pig)
- Streptocococcus equi
- Streptococcus pyogenes
- Streptococcus suis, Type 2
- Taylorella equigenitalis (CEM), Kentucky Strain
- Trichophyton equinum AOAC Fungicidal Test
- Trichophyton mentagrophytes AOAC Fungicidal Test
- Vancomycin Resistant Enterococcus faecalis (VRE)


- Salmonella typhosa.................................36.0
- Staphylococcus aureus..............................37.1