

Pharmaceutical FRONTLINE

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Pharmaceutical Research Laboratories

Announces The Arrival of
VIRKON®S EPA No. 62432-1

An EPA Approved Top-of-the-Line Disinfectant

33 Great Hill Road
Naugatuck, CT 06770
1-800-243-5350
www.pharmacal.com

ACKNOWLEDGEMENTS

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*VISIT US IN
SAN ANTONIO*

**Mark your calendar!
October 27 - 31, 2002**

This year the National ALAS Meeting is being held in San Antonio, Texas. Pharmaceutical will be at Booth number 330. We look forward to seeing you there. Please join us in welcoming our special guest from the United Kingdom, Francis Auchincloss. He will be available to answer your questions on VIRKON®S. A special insert is enclosed for your review.



Pharmaceutical Research Laboratories is very excited to present to the American Animal Care Community a unique disinfectant product, VIRKON®S. This exceptional product is patented in over 20 countries and sold in over 100 countries worldwide. VIRKON®S is a balanced, stabilized blend of peroxygen compounds, surfactant, organic acid, and an inorganic buffer system. It is available in easy-to-use packets containing a quick dissolving granular powder.

VIRKON®S is a broad-spectrum disinfectant manufactured to ISO 9002 World Class Standards. It is effective against numerous microorganisms affecting man and animals: including viruses, gram positive and gram-negative bacteria, fungi (molds and yeasts), and Mycoplasma. VIRKON®S has been independently proven against a wide range of viruses including Canine Parvovirus, see table insert for complete list of efficacy. It passes the AOAC germicidal and detergent sanitizer test at a concentration of 0.5% (1:200) in the presence of 200 ppm hard water. This product has a maximum necessary contact time of ten minutes. It offers a broader spectrum kill than traditional quaternary ammonium and alcohol-based products.

VIRKON®S is an excellent cleaner. It was used extensively in Europe as a vehicular undercarriage disinfectant/cleaner and boot wash during the FMD (foot and mouth disease) outbreak. High levels of surfactant combined with acidic and oxidizing power provide superior biofilm destructing abilities. Cleaning and disinfecting can be completed in a one step operation with no environmental residue problems. When mixed as directed, the ingredients found in the solution are biodegradable.

VIRKON®S is perfect for critical animal facilities where a pre-measured amount of disinfectant is desirable to maintain a reliable disinfecting regimen. It is easily diluted for use in manual or machine

operations for all your disinfecting and cleaning needs. This product can be applied to surfaces in a variety of ways including spraying; fogging or it can be used as a dip. A 1% solution has the oxidizing power equal to 1,000 ppm or 0.1% available chlorine. Once diluted, VIRKON®S solutions are stable for 7 days. One gallon of mixed solution is sufficient to treat 135 square feet.

The packets available in the United States are fragrance-free while the packets available in Canada contain a mild lemon fragrance. Each case contains fifty packets. A case requires only minimal storage space and minimizes shipping costs. Trial cases containing five packets are available for purchase.



Specially designed dilution test strips are available to accurately monitor a solution's concentration. These strips can be used in a number of situations:

- Check dilution of prepared solution.
- Calibrate dosing equipment.
- Check activity of footdips.
- Check for the dilution on the surface being treated (not just the solution coming out of the applicator).

The test strips have a shelf life of two years from the date of manufacture, as long as they are stored in the bottle provided and the bottle is kept sealed. Each bottle contains fifty test strips.

If you are interested in this revolutionary product please contact your Pharmaceutical Representative or call our office at 1-800-243-5350.

PRL PRODUCTS

ALKALINE DETERGENTS

- ALKA-DET® 2
- ALKA-DET® 3
- ALKA-DET® HW
- CLOUT®
- CLOUT® PF
- PRL-18®
- PRL-25®
- PRL- GREASE FREE®
RELEASE®

URINE SCALE REMOVERS

- ACID POWER®
- URI-SOLV®
- URID®

ACID NEUTRALIZER

- pH Control®

DISINFECTANTS

- CLIDOX®-S
- VIRKON®S
- QUATRICIDE®
- QUATRICIDE® PV
- QUATRICIDE® PV-15
- QUATRICIDE® TB

PERSONAL INFECTION CONTROL

- Pharma-Clenz® Skin Cleanser
- Pharma-Clenz® Barrier Cream

SPECIALTY PRODUCTS

- Crystalit®
- Liquid Litter®
- Trail®
- Urex®
- Foam Booster™
- Sani-Cloth®

MONITORING PRODUCTS

- Temp-Tapes®
- Tri-Temp Tapes®
- RODAC® plates
- SteriGage™
- QUAT CHECK Paper
- pH Paper
- Water Hardness Test Strips

EQUIPMENT

**Complete line of chemical mixing
& proportioning devices**

- Power Sprayer™
- Power Foamer™
- CLIDOX® Mixing Station
- Hydro Units
- Spill Containment Pallets
- Ergonomic Drum Handler
- Drum Dollies

DYNA FOGGER



DYNA-FOG CYCLONE chemical applicator is available through Pharmacal. This unit has an ultra precision metering valve to ensure that particles are under 20 microns for those facilities requiring disinfection by fogging. Pharmacal also has electric turntables available to help the fogger cover a complete radius. This allows the disinfectant to penetrate into every corner. When used in conjunction with a timer, the unit will automatically turn off within the preset time.

The DYNA-FOG Model 2730 has a reservoir that will conveniently hold one gallon of pre-mixed disinfecting solution. When the metering valve is set at ten, the one-gallon of pre-mixed solution should take approximately 45 minutes to fog a 2100 cubic foot area. Always remember to know the chemicals you are working with and wear all recommended personal protective equipment.

PHONE SYSTEM UPGRADE



Pharmacal Research Laboratories has installed an innovative phone system. This new system allows the customer to leave messages for his salesperson directly. From 8:30 AM to 5 PM, a Pharmacal Customer Service Representative will be there to direct your call. After 5PM and on weekends, you can conveniently access the directory from any touch-tone phone. The phone system will automatically alert the salesperson that they have a message. The salesperson can then play back the customer's message, reducing the chance for miscommunication. The new system should expedite the whole message process and provide you with more efficient support.

HYDRO FOAMER



The Hydro Foamer 481 & 483 proportioners easily connect to a hose to automatically dilute concentrated products like Pharmacal's QUATRICIDE® PV & QUATRICIDE® PV-15. The Hydro units reduce the need for manual mixing. By eliminating manual mixing, the chance for dilution errors, spillage, and employee exposure is greatly reduced. This unit also provides convenient control of where and how much of the solution is applied. The range allows for personnel to apply the foam only to the desired areas.

The Hydro Foamer produces a thick, rich foam to increase "cling" time, which allows for longer contact time. Since the product is being mixed as it is being applied, the solution is fresh and waste is minimized.

On and off functions are easily controlled using a trigger located on the spray gun. The Hydro Unit is equipped with a "quick" disconnect for easy removal from the spray gun. This allows personnel to apply a fresh water rinse quickly and efficiently without requiring a second hose line.

ITEM #	FOAMER DESCRIPTION
99131	HYDRO 481 (96 OZ)
99111	HYDRO 483 (48 OZ)



NEW TECHNICAL LITERATURE

Pharmaceutical now has *new* and *updated* technical booklets available for our customers. These include:

- QUATRICIDE® PV
EPA Reg. No. 47371-131-08714
& QUATRICIDE® PV-15
EPA Reg. No. 47371-129-08714
- CLIDOX®S
EPA Reg. No. 8714-8
- VIRKON®S
EPA No. 62432-1
- SOP GUIDEBOOK

To obtain copies of these exclusive packets, please contact your Pharmaceutical representative at 1-800-243-5350.

**QUATRICIDE® PV &
QUATRICIDE® PV-15
UPDATE**

Pharmaceutical Research Laboratories has updated two of our broad-spectrum quaternary ammonium disinfectants, QUATRICIDE® PV (EPA Reg. No. 47371-131-08714) and QUATRICIDE® PV-15 (EPA Reg. No. 47371-129-08714). These two products are both effective against Hepatitis B. The products are still mixed and used in exactly the same manner.

New technical information booklets are available upon request. The booklets contain the following product information:

- New labeling information
- Efficacy data
- Standard Operating Procedures
- Quality assurance requirements
- Stability information
- MSDS (Material Safety Data Sheets)

A summary of the new Bactericidal, Virucidal, and Mildewstat test results are included. This information will be very useful to the facility manager wishing to prevent or contain opportunistic microbial outbreaks in the facility.

If you have any questions, please do not hesitate to call Tammy or your Pharmaceutical Representative at 1-800-243-5350.

SOP GUIDEBOOK

Pharmaceutical Research Laboratories is pleased to offer our valued customers a guidebook for the Verification of Sanitation in the animal care laboratory.

This handbook contains a variety of SOP's (Standard Operating Procedures) including calibration of cage washing chemicals and conductivity meters. Pharmaceutical representatives utilize many of these SOP's when they are performing routine calibrations in your facility. In addition the handbook contains information on monitoring chemical residue in the cage washer, how to obtain water samples for analysis, what types of microbial monitoring is available through Pharmaceutical Research Laboratories, and literature on temperature tapes and their use in verifying cage wash performance.

This information will be very useful to facilities starting up new sites, or facilities that are working to obtain AAALAC accreditation. GLP and FDA regulated facilities will find this information to be a good adjunct to current validation information.

Don't forget to request a copy of "A Program for Proper Handling & Utilization Of Chemicals In A Laboratory Animal Care Facility". Amy, Tammy, and Frank have put together a booklet to help personnel understand the various types of chemicals that are available. This does not replace a Material Safety Data sheet but gives an over all view of different types of chemicals.

The health and safety of the animals and personnel should always be the facility's first priority.

Since 1971...

Pharmaceutical Research Laboratories has been the leading manufacturer and distributor of high quality sanitation products developed exclusively for the professional engaged in Laboratory Animal Science. Customer satisfaction is our number one priority.

Leading the way.....

Our products are developed to achieve the highest level of efficacy. All products must go through an extensive testing procedure before it is even tested in the field. Once in the field, new products are tested and retested before they become available to our customers. Pharmaceutical is also always on the look out for new and improved equipment. We provide top quality products, reliable and easy to use dispensing equipment, drum handling and storage equipment, timely deliveries, and competitive pricing.

Pharmaceutical people.....

Our staff includes two Certified Laboratory Animal Technologists (LATG), two chemical engineers, an industrial environmental engineer, and six highly trained service personnel.

**— Ask PRL —**

We hope that you have found our FRONTLINE newsletter informative. Do you have questions about sanitation that we can answer?

CONTACT US AT:

Pharmaceutical Research Laboratories • 1-800-243-5350

E-mail us at: moreinfo@pharmaceutical.com

Or visit our internet Web site at: www.pharmaceutical.com

PRL
TOP-OF-THE-LINE
QUALITY PRODUCTS
& SERVICE

Superior Cleaning

Animal Sanitation Chemicals

Glassware Washing Products

Monitoring Products

**Chemical Dispensing
Equipment**

**Material Handling
Equipment**

ONCE AGAIN WE ARE
LEADING THE INDUSTRY WITH
GOODS AND SERVICES
— SECOND TO NONE —

— PRL ORGANIZATIONAL CHART —

President.....Jerry Shapiro

Sales Representatives.....

Sales Manager.....Ken Shapiro

New England.....Mark Fasciano

North East.....Steve Green

North East.....Amy Ingraham RLATG

Eastern Canada.....Roger Lavallee

South West.....Brian Gillman LATG

South East.....Vince Lemken

Mid Atlantic.....Frank Lynch

Mid West.....Bob Wasem

West Coast US &

Western Canada.....Paul Chavez

Manufacturing Plant Manager

Mark Massicotte.....Plant Manager

Service Department

Bill Fleischer.....Service Manager

Sean Wilt.....Service Coordinator

PRL Service Technicians

Dennis Ayotte

Doug Hatfield

Dean Kramer

Harvey Powell

QA & Technical Information

Tammy Marotta Fleischer

Customer Service

Diane Smith.....Office Manager

Debbie Budzilek.....Accounts Payable

CeCe Franceskino.....Accounts Receivable

Julissa Vazquez.....Order Processing

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