

# DuPont™ RelyOn™ Broad Spectrum Disinfectants

A Hard Surface Disinfectant Effective Against a Wide Range of Pathogens.



- Tuberculocidal, Bactericidal, Virucidal, and Fungicidal
- Compatible with most surfaces
- Cleans and Disinfects in one step



## Product

DuPont™ RelyOn™ disinfectant sprays and wipes are based on a proprietary formulation and are recommended for use by healthcare professionals, emergency personnel, and other commercial establishments concerned with reducing the germs that cause disease and infection and controlling the hazards of cross contamination.

DuPont™ RelyOn™ disinfectant spray and wipes are isopropanol-based, ready-to-use products that are compatible with most surfaces and leave no residuals. Disinfectant sprays and wipes, when used as directed, are tuberculocidal, bacteriocidal, virucidal, and fungicidal. (See product label for complete listing of organisms). These products are available in a 16 oz spray bottle with a 1 gallon refill or in convenient canisters containing 160 wipes.

## *in-vitro* Efficacy Data

Microorganism	DuPont™ RelyOn™ Disinfectant Solution and Presoak	DuPont™ RelyOn™ Disinfectant Wipes
Hepatitis A, B, and C	•	•
HIV-1 (AIDS virus)	•	•
Methicillin-resistant Staphylococcus aureus (MRSA)	•	•
Vancomycin-resistant Enterococcus faecalis (VRE)	•	•
Herpes simplex Type 1		•
Herpes simplex Type 2	•	•
Escherichia coli (E. coli)	•	•
Mycobacterium bovis (TB surrogate)	•	•
Pseudomonas aeruginosa	•	•
Streptococcus pyogenes (Strep)	•	•
Salmonella choleraesuis	•	•
Staphylococcus aureus	•	•
Respiratory syncytial virus (RSV)	•	•
Rotavirus (SA-11, Group A)	•	•
Influenza Type A-2	•	•
Trichophyton mentagrophytes (athletes foot fungus)	•	•
Cytomegalovirus (CMV)	•	•
Adenovirus	•	•



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## BACTERIAL STUDIES

**Solution Test Description:** Modified AOAC Official Method 961.02 — Germicidal Spray Products as Disinfectants test, 16<sup>th</sup> edition. Glass slides are inoculated with the appropriate bacterium in 5% horse serum, dried, sprayed with the disinfecting product for ≤8 min contact times at 20–25°C, immediately placed in neutralizing broth and incubated at 37°C for 48 hr. Killing of test organisms in 10 of 10 (or 60 of 60) trials is presumptive evidence of disinfecting action.

**Wipe Test Description:** AOAC Germicidal Spray Disinfectant Test modified for towelette, EPA DSS/TSS 1, 2, and 3 and EPA Notice of Efficacy Requirements for Pre-Saturated or Impregnated Towelettes for Hard Surface Disinfection. Glass slides are inoculated with the test organism in 5% heat inactivated horse serum, dried, wiped with the disinfectant wipe, held for 10 min, immediately placed in neutralizing broth and incubated at 37°C for 48 hr. Killing of test organisms in 10 of 10 trials is presumptive evidence of disinfecting action.

### Bactericidal activity

(i.e., complete kill expressed as % reduction) was achieved for the Solution and Wipe:

Bacteria	DuPont™ RelyOn™ Disinfectant Solution and Instrument Presoak		DuPont™ RelyOn™ Disinfectant Wipes	
	ATCC Number	% Reduction	ATCC Number	% Reduction
<b>Enterococcus faecalis (VRE)</b>	51299	>99.99999	—	—
<b>Enterococcus faecium (VRE)</b>	—	—	51559	>99.99
<b>Escherichia coli O157</b>	43895	>99.999	—	—
<b>Escherichia coli</b>	—	—	11229	>99.99
<b>Mycobacterium bovis (BCG)*</b>	35743	>99.999	35743	>99.999
<b>Pseudomonas aeruginosa</b>	15442	>99.9999	15442	>99.999
<b>Salmonella choleraesuis</b>	10708	>99.9999	10708	>99.99
<b>Staphylococcus aureus</b>	6538	>99.99	6538	>99.999
<b>Staphylococcus aureus (MRSA)</b>	33593	>99.99999	33591	>99.999
<b>Streptococcus pyogenes</b>	49399	>99.999	19615	>99.99

\* **NOTE:** AOAC Official Method 965.12—Tuberculocidal Activity of Disinfectants test. II. Confirmative *in-vitro* Test for Determining Tuberculocidal Activity. For *Mycobacterium bovis* (BCG) test carriers were wiped for a total of 1 min each.

— Data in these columns applies to solution only or wipe only.

## VIRAL STUDIES

**Solution Test Description:** Virucidal Efficacy Test (EPA's DIS/ TSS-7 Efficacy Data Requirements: Virucides). Sterile tissue culture dishes are inoculated with the appropriate virus in 10% horse serum, dried, sprayed with the disinfecting product for ≤5 min contact times at 20–25°C, scraped, and enumerated by serial dilution onto MDCK cells. The product must demonstrate complete inactivation of the virus.

**Wipe Test Description:** AOAC Germicidal Spray Disinfectant Test modified for towelette, EPA Notice of Efficacy Requirements for Pre-Saturated or Impregnated Towelettes for Hard Surface Disinfection and ASTM Test Method 1053-97. Sterile glass petri dishes are inoculated with the appropriate virus in 5% fetal bovine serum, dried, wiped with the disinfecting product for a 1 min contact time at 22°C, neutralized with FBS, scraped, and enumerated by serial dilution onto AGMkK cells (Vero). The product must demonstrate complete inactivation of the virus.

### Virucidal activity

(i.e., complete inactivation expressed as % reduction) was achieved for the Solution and Wipe:

Virus	DuPont™ RelyOn™ Disinfectant Solution and Instrument Presoak		DuPont™ RelyOn™ Disinfectant Wipes	
	ATCC Number	% Reduction	ATCC Number	% Reduction
Adenovirus type 2 (Adenoid 6)	VR-846	99.999	—	—
Cytomegalo-Inclusion Disease virus	VR-538	>99.9	—	—
Hepatitis A virus	—	>99.99	—	—
Hepatitis B virus*	—	>99.99	—	—
Hepatitis C virus**	—	>99.9999	—	—
Herpes simplex type 1	—	—	VR-260	>99.999
Herpes simplex type 2	VR-539	>99.9	—	—
Human Immunodeficiency virus (HIV-1)	—	>99.99	Zepto Metrix Corp.	>99.9999
Influenza type A-2 (Hong Kong)	VR-544	99.9	—	—
Respiratory Syncytial virus (RSV)	VR-26	99.999	—	—
Rotavirus, strain SA-11, group A	—	>99.9	—	—

— Data in these columns applies to solution only or wipe only.

\* Duck Hepatitis B Virus (surrogate for human Hepatitis B Virus)

\*\* Bovine Viral Diarrhea Virus (surrogate for human Hepatitis C Virus)

# DuPont™ RelyOn™

## BROAD SPECTRUM DISINFECTANTS

### DuPont™ RelyOn™ Disinfectant Products

#### FUNGAL STUDIES

**Solution Test Description:** AOAC Official Method 955.17 — Fungicidal Activity of Disinfectants test, 16th ed., EPA DSS/TSS 6 Guidelines and EPA Notice of Efficacy Requirements for Pre-Saturated or Impregnated Towelettes for Hard Surface Disinfection. A spore suspension of *T. mentagrophytes* in 5% fetal bovine serum is exposed to the product for 5, 10 and 15 min, neutralized in glucose broth, and incubated at 25–30°C for 10 days.

**Wipe Test Description:** AOAC Fungicidal Activity of Disinfectants Test modified for towelette, EPA DSS/TSS 6 Guidelines and EPA Notice of Efficacy Requirements for Pre-Saturated or Impregnated Towelettes for Hard Surface Disinfection. Glass slides are inoculated with a spore suspension of *T. mentagrophytes* in 5% heat inactivated horse serum, dried, wiped with the disinfecting product, held for 10 min, neutralized in Neopeptone glucose broth, incubated at 22°C for 10 days and observed for visible growth.

#### Fungicidal activity

(i.e., complete kill expressed as % reduction) was achieved in 10 min for both Solution and Wipe:

Fungus	DuPont™ RelyOn™ Disinfectant Solution and Instrument Presoak		DuPont™ RelyOn™ Disinfectant Wipes	
	ATCC Number	% Reduction	ATCC Number	% Reduction
<i>Trichophyton mentagrophytes</i>	9533	>99.9999	9533	>99.99

#### CONCLUSIONS

DuPont™ RelyOn™ disinfectant sprays and wipes demonstrated bactericidal (Gram-negative and Gram-positive bacteria including MRSA and VRE), tuberculocidal, virucidal, and fungicidal efficacies on hard non-porous surfaces within the 10 minute exposure designated on the label. Always read and follow label instruction for product use.

#### For More Information

For product information or to place an order, go to [www.relyon.dupont.com](http://www.relyon.dupont.com). To speak with a DuPont Customer Service representative, call 1-800-931-3456. For medical emergencies, spills, or other critical situations, call 1-800-441-7515 within the United States. For those outside of the United States, call 1-302-774-1000.

[www.relyon.dupont.com](http://www.relyon.dupont.com)

**For detailed information about DuPont disinfectant and antiseptic products and the effective protection they offer, visit [www.relyon.dupont.com](http://www.relyon.dupont.com) or call a DuPont customer representative 1-800-931-3456.**

The DuPont Antiseptic products are formulated under Food and Drug Administration (FDA) guidelines and the DuPont Disinfectants are U.S. Environmental Protection Agency (EPA) registered. As with all disinfectants, always read and follow label instructions per EPA guidelines.

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