

Glyclean® D

Bactericidal, Viricidal, and Fungicidal Efficacy

Glyclean® Efficacy Summary

PureTech Scientific Glyclean® D70 has been registered with the US EPA as an active ingredient in the formulation of disinfectants on hard, non-porous surfaces for household, industrial, institutional, or commercial use.

Glyclean® D clean and disinfect formulated products for hard surfaces have also been registered with the US EPA and are available for sub registration purposes. Glyclean® D70 may also be used in formulating disinfecting cleaners for use in agricultural premises and food processing facilities, as well as on food processing equipment. Label directions must specify that all food, feed, and animals be removed prior to application and that application of the end-use formulation must be followed by a potable water rinse.

In the EU, Glyclean® D products can be utilized in formulations for National Registrations. The BPR process provides a transition period that supports registering new Glyclean® D based formulations now. Elsewhere, Glyclean® D can be found in formulations in Canada, Korea and many other countries around the world.

Details describing the bactericidal, viricidal, and fungicidal properties of the Glyclean® D portfolio are shown below. The results reported herein were performed by third-party contract laboratories.

In total, these studies have demonstrated the efficacy of Glyclean® D products against:

- Nine different strains of both gram-positive and gram-negative bacteria
- Nine different strains of virus
- Two different strains of fungus



North American Products

Summary of Glyclean® D70 Efficacy Studies

Species	Guideline	Wt % Acid	% Reduction
E. Coli	AOAC 955.14; 964.02	5.0%	>99.999
E. Coli O157:H7	AOAC 955.14 ; 964.02	5.0%	>99.999
Listeria mono.	AOAC 955.14; 964.02	5.0%	>99.999
Listeria welsh.	AOAC 955.14 ; 964.02	5.0%	>99.999
Pseudomonas aer.	AOAC 955.14; 964.02	5.0%	>99.999
Salmonella chol.	AOAC 955.14 ; 964.02	5.0%	>99.999
Salmonella typ.	AOAC 955.14; 964.02	5.0%	>99.999
Staphylococcus aur.	AOAC 955.14 ; 964.02	5.0%	>99.999
Herpes Simplex 1	EPA DIS/ TSS-7	5.0%	>99.99
Influenza A-2	EPA DIS/ TSS-7	5.0%	>99.99
Rhinovirus Type 37	EPA DIS/ TSS-7	5.0%	>99.99

Broad Spectrum Disinfectant & Cleaner: Efficacy Studies, EPA Reg. 71654-31 (Newly Approved)

Species	Guideline	Wt % Acid	% Reduction
SARS-CoV-2	ocspp 810.2200	5.5%	>99.99
Pseudomonas aer.	ocspp 810.2200	5.5%	>99.99
Salmonella ent.	ocspp 810.2200	5.5%	>99.99
Staphylococcus aur.	ocspp 810.2200	5.5%	>99.99



Glyclean® D – Bactericidal, Viricidal, and Fungicidal Efficacy

North American Products

Hard Surface Cleaner: Efficacy Studies, EPA Reg. 71654-5

Species	Guideline	Wt % Acid	% Reduction
SARS-CoV-2	ocsp 810.2200	5.0%	>99.99
E. Coli	AOAC 955.14 ; 964.02	5.0%	>99.999
Pseudomonas aer.	AOAC 955.14; 964.02	5.0%	>99.999
Salmonella chlor.	AOAC 955.14 ; 964.02	5.0%	>99.999
Staphylococcus aur.	AOAC 955.14 ; 964.02	5.0%	>99.999
Herpes Simplex 1	EPA DIS/ TSS-7	5.0%	>99.999
Influenza A-2	EPA DIS/ TSS-7	5.0%	>99.999
Rhinovirus Type 37	EPA DIS/ TSS-7	5.0%	>99.999

Pine Cleaner: Efficacy Studies, EPA Reg. 71654-30

Species	Guideline	Wt % Acid	% Reduction
Salmonella ent.	EPA DIS/ TSS-7	2.1%	>99.999
Staphylococcus aur	AOAC 955.14; 964.02	2.1%	>99.999
Influenza A	AOAC 955.14; 964.02	2.1%	>99.999

Toilet Bowl Cleaner: Efficacy Studies, EPA Reg. 71654-2 (Under reformulation)

Species	Guideline	Wt % Acid	% Reduction
E. Coli	AOAC 955.14 ; 964.02	5.0%	>99.999
Pseudomonas aer.	AOAC 955.14; 964.02	5.0%	>99.999
Salmonella ent.	AOAC 955.14 ; 964.02	5.0%	>99.999
Staphylococcus aur.	AOAC 955.14 ; 964.02	5.0%	>99.999
Herpes Simplex 1	EPA DIS/TSS-7	5.0%	>99.999
Influenza A-2	EPA DIS/TSS-7	5.0%	>99.999
Rhinovirus Type 37	EPA DIS/TSS-7	5.0%	>99.999

European Products

Hard Surface Cleaner & Disinfectant: Efficacy Studies

Species	Guideline	% Reduction
Enterococcus hirae	UNE-EN 1276 : 13697	>99.9999
E. coli	UNE-EN 1276 : 13697	>99.9999
Pseudomonas aer.	UNE-EN 1276 : 13697	>99.9999
Staphylococcus aur.	UNE-EN 1276 : 13697	>99.9999
Aspergillus brasil.	UNE-EN 13697 : A1	>99.9999
Candida albicans	UNE-EN 1650	>99.9999
Adenovirus	NF EN 14476 : A2	>99.9999
Murine norovirus	NF EN 14476 : A2	>99.9999
Poliovirus	NF EN 14476 : A2	>99.9999

Broad Spectrum Disinfectant & Cleaner: Efficacy Studies

Species	Guideline	% Reduction
Enterococcus hirae	UNE-EN 1276 : 13697	>99.9999
E. coli	UNE-EN 1276 : 13697	>99.9999
Pseudomonas aer.	UNE-EN 1276 : 13697	>99.9999
Staphylococcus aur.	UNE-EN 1276 : 13697	>99.9999

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