

Approved Allergy Fighters Sdn Bhd

6-2 Jalan 15/48A, 51000 Kuala Lumpur, Malaysia

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TO WHOM IT MAY CONCERN

DuPont™ Decont® S proven highly effective against the H5N1 Avian Influenza Virus

DuPont™ Decont® S, the world's premier veterinary disinfectant, recognised by governments worldwide as a disinfectant of choice for the Emergency Disease Control of Avian Influenza, has now been independently proven to be highly effective against the lethal H5N1 strain.

Independent tests carried out by the Harbin Veterinary Research Institute, Peoples Republic of China, have proved that DuPont™ Decont® S completely inactivates the H5N1 virus at dilutions of 1:800 & 1:1000 following a ten minute exposure time under laboratory test conditions. In the face of challenging farm conditions, such as heavy organic challenge, short contact time, possible dilution by rain water, low temperatures and the broad range of disease causing organisms that can exist on farms, DuPont™ Decont® S is recommended for use at a dilution of 1:100 for preventative and continuous biosecurity measures to provide high levels of efficacy.

With outbreaks of Avian Influenza in Russia, Romania and Turkey and around 8,500 head of poultry already slaughtered in Turkey, European veterinary experts have advised poultry producers to heighten their biosecurity vigilance to reduce the likelihood of infectious migratory wild birds infecting the tens of millions of European birds. Whether the flocks are housed or not, vehicles may pick up the highly infectious virus and carry the organism onto the farm where workers can potentially spread the disease by touch, on their clothing or footwear.

Poultry producers should ensure that their biosecurity measures are vigilantly enforced and include:

- Effective perimeter control
- Transport biosecurity - wheel dips and sprays
- Foot dips
- Hand washing and protective clothing
- Avoiding stock coming into contact with wild birds
- Thorough cleaning of poultry houses with a heavy duty multipurpose cleanser (DuPont™ Biosolve®)
- Most importantly, regular, thorough and effective disinfection of poultry houses - the Avian Influenza virus survives well in water so simple washing with water alone may assist transmission.

With the memory of the devastating Dutch Avian Influenza outbreak of 2003 still fresh in many poultry producers' minds, governments are concerned about the potential economic impact of this disease. During the Avian Influenza outbreak in the Netherlands in 2003, DuPont™ Decont® S was the only disinfectant purchased by the Dutch authorities (the RVV). This decision followed expert consultation with other global governmental bodies.

DuPont Animal Health Solutions is working closely with distributors in areas affected by Avian Influenza H5N1 virus to ensure that supplies of DuPont™ Decont® S are readily available to meet increased demands.

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Doctor Stephen Lister BVetMed MRCVS explains, "The cornerstone of Emergency Disease preparation must be to maintain a heightened state of vigilance against Avian Influenza. Control protocols for this highly contagious disease should be based on sound and effective continuous biosecurity measures, as described above, using a disinfectant independently proven effective against the H5N1 Avian Influenza virus. Effective Emergency Disease Control strategies must be a priority for governments and poultry producers internationally."

Independent Recommendations, Efficacy Data & Trial Reports

Selected by the Experts

Independent Recommendations

DuPont™ Decont® S is the disinfectant of choice, selected and recommended by government agencies around the world to help fight and control the international spread of Avian Influenza (Fowl Plague):

- **Australia & New Zealand**

Recommended by, the Australian and New Zealand governments for the control of Avian Influenza (Fowl Plague). Decont® S is the only branded and most comprehensively recommended disinfectant in the [AUSVETPLAN](#) guidelines.

- **Belgium**

The Belgium Directorate-General - SPF Public health, Safety of the Food chain and Environment approves Decont® S for the Emergency Disease Control of [Avian Influenza](#) at a dilution rate of 1:100 (1%)

- **Canada**

The Canadian Food Inspection Agency (CFIA) approves [Decont® S](#) for the Emergency Disease Control of [Avian Influenza](#) (Fowl Plague) under the Canadian Pest Control Products Act.

- **Denmark**

Decont® S would be recommended for the Emergency Disease Control of Avian Influenza (Fowl Plague) within Denmark by the Veterinary Controlling Committee following its successful use in the fight against [Newcastle Disease during 2002](#).

- **France**

Decont® S has the French Ministry Agrément 1032 for notifiable diseases which includes its use for the Emergency Disease Control of [Avian Influenza \(Fowl Plague\)](#) [PDF] at a 1% dilution rate.

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- **Germany**
Decont[®] S is approved by the German Veterinary Medical Society (Deutschen Veterinärmedizinischen Gesellschaft - DVG) for the control of Avian Influenza (Fowl Plague).
- **Italy**
Decont[®] S is recommended by the Italian Ministry Public Health Authorities for the Emergency Disease Control of [Avian Influenza \(Fowl Plague\)](#) [PDF] for farm biosecurity, farm decontamination and vehicle disinfection purposes.
- **Netherlands**
The Dutch Ministry of Agriculture, Environment and Fisheries recommends the use of Decont[®] S as a disinfectant for the Emergency Disease Control of [Avian Influenza \(Fowl Plague\)](#) [PDF] and [Vehicle Disinfection](#) [PDF] at a [dilution rate of 1:320](#), at least 3 times more dilute than any other recommended product.
- **New Zealand**
The New Zealand Food Safety Authority Approves Antec Decont[®] S for use in the control of Avian Influenza.
- **Philippines**
In the official "Avian Influenza Protection Program" produced by the National Avian Influenza Task Force under the Bureau of Animal Industry, Department of Agriculture, Decont[®] S is the only branded disinfectant formulation to be used for Avian Influenza control.
- **Republic of Ireland**
Decont[®] S is approved by the Minister for Agriculture and Food, Republic of Ireland, for the control of Avian Influenza (Fowl Plague) under the Diseases of Animals Act, 1966 and Orders made thereunder, at the dilution rate of [1:280](#).
- **Sri Lanka**
The Department of Animal Production & Health recommends the use of Decont[®] S for the control of Avian Influenza, Further, it advises that poultry farmers maintain

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stocks of specified disinfectant and personal protective equipment as part of their preparedness planning.

- **United Arab Emirates**

The Bird Flu Task Force of the Veterinary Services Section (VSS) of the Dubai Municipality has selected Decont[®] S as the most effective disinfectant for decontamination of any suspected AI outbreak.

- **United Kingdom**

The United Kingdom's Department for Environment, Food & Rural Affairs (DEFRA) approves Decont[®] S for use in the control of Avian Influenza (Fowl Plague) at the dilution rate of 1:280 under the [Diseases of Poultry Order](#) [PDF].

- **United States of America**

Decont[®] S has an EPA-approved label claim against AI. Following a specific request by the United States Department of Agriculture (USDA) the U.S. Environment Protection Agency (EPA) has issued Decont[®] S with an Emergency Disease Control Label claim for the control of [Avian Influenza \(Fowl Plague\)](#) at a 1:256 dilution rate.

- **Vietnam**

The Ministry of Agriculture and Rural Development (MARD) approves the use of Decont[®] S for prevention and control. Decont[®] S is featured on a educational leaflet produced by MARD.

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Independent Efficacy Data Test Results

Decont[®] S has been rigorously independently tested for efficacy against Avian Influenza (Fowl Plague) in the United Kingdom, United States (for US EPA Label Claim Approval) and the Peoples Republic of China.

| Disinfectant | Organism Tested | Ref # | Dilution | Country | Comments | Strain |
|-----------------------|-------------------------------------|-------------------------|----------|----------|--|---------------|
| Decont [®] S | Avian Influenza (Fowl Plague) virus | 011 | 1:320 | England | UK DEFRA test protocol used (CVL) | H7N1 |
| | | USDA1 | 1:256 | USA | USDA evaluation | Not specified |
| | | 155 | 1:100 | USA | AOAC virucidal spray test for US EPA label claim | Not specified |
| | | AVIH5N1 | 1:800 | PRC | Harbin Veterinary Research Institute | H5N1, H9N2 |
| | | THH5N1 | 1:500 | Thailand | Kasetsart University | H5N1 |

The UK DEFRA test protocol is designed to simulate the [decontamination of farm premises](#). The test is conducted at 4°C with a 30 minute contact time and against organic challenge, with the highest effective dilution rate found specified as the dilution rate to use, e.g. 1:320 for Decont[®] S against the Avian Influenza (Fowl Plague) virus.

In the face of challenging farm conditions, such as heavy organic challenge, short contact time, possible dilution by rain water, low temperatures and the broad range of disease causing organisms that can exist on farms, Decont[®] S is recommended for use at a dilution of 1:100 for preventative and continuous biosecurity measures to provide high levels of efficacy.

The above table provides data on Decont[®] S against the Avian Influenza (Fowl Plague) virus. Whereas the UK efficacy test was conducted as a limit test at a temperature of 4°C, providing a realistic test for disinfectants in [cold conditions](#), do not assume that test results from other countries are performed at the same temperature and report the highest effective dilution rate.

Thank you

Sincerely yours,

.....
Kirit Kumar

Indoor Air Quality Specialist

BBA (Spore), Grad Dip Mkt Comms (Spore), Certified Mold Remediation Specialist (American Indoor Air Quality Council - USA), Certified Indoor Air Quality Technician (American Indoor Air Quality Council - USA), Certified Indoor Air Quality Technician (Association of Energy Engineers - USA), Senior Carpet Inspector (IICRC - USA), Master Cleaner (IICRC- USA), Master Restorer (IICRC - USA), Certified Restorer (ASCR-USA).