

AVIAN INFLUENZA

SOMETHING TO WORRY ABOUT?

ABOUT THE VIRUS

TRANSMISSION & SYMPTOMS

PRECAUTIONS & HYGIENE

FEEL OUR PASSION



CHRISTEYNS



AVIAN INFLUENZA

Avian influenza is a highly contagious viral disease which occurs primarily in poultry and wild water birds.

The first cases were reported in China in 1997 with the highly pathogenic strain (H5N1), capable of killing domestic poultry in less than 48 hours. Since an outbreak was detected in Russia and Kazakhstan

in 2020, the virus has spread rapidly throughout Europe. Between October 2021 and September 2022 Europe has suffered the most devastating highly pathogenic avian influenza (HPAI) epidemic with 37 European countries affected and 50 million birds culled in affected establishment.

The general public has no reason to fear: most Avian Influenza viruses do not cause disease in humans. Transmission of the virus to humans occurs only on very rare occasions, and only through close contact with infected birds. Poultry meat and eggs can be eaten without any danger, provided they are properly cooked.

ABOUT THE VIRUS

- Type A influenza virus.
- Various strains ranging from low pathogenic (LPAI) to high pathogenic (HPAI).
- Two subtypes :
 - » Strains transmittable to humans, like the H5N1, H7N9, H9N2 strains
 - » Strains not known to be transmitted to humans, like the H5N8 virus
- Remains infective for long periods of time in the environment.
- Susceptible to broad spectrum disinfectants (EN14476) and destroyed by heating. Inactivated by cooking all parts of food to > 70°C (160°F).

TRANSMISSION

IN POULTRY

The disease spreads through:

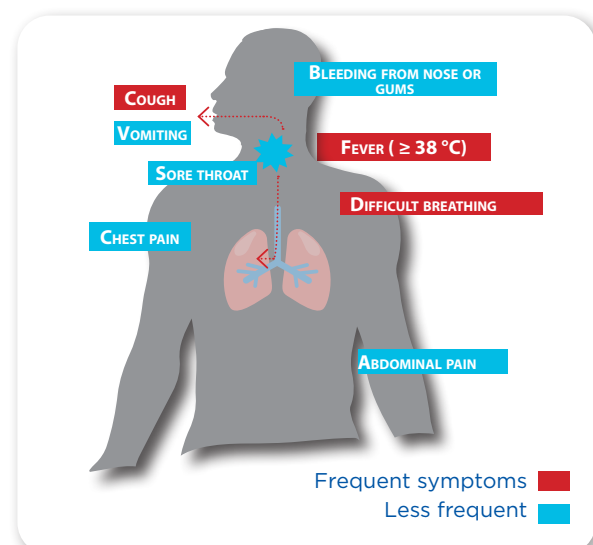
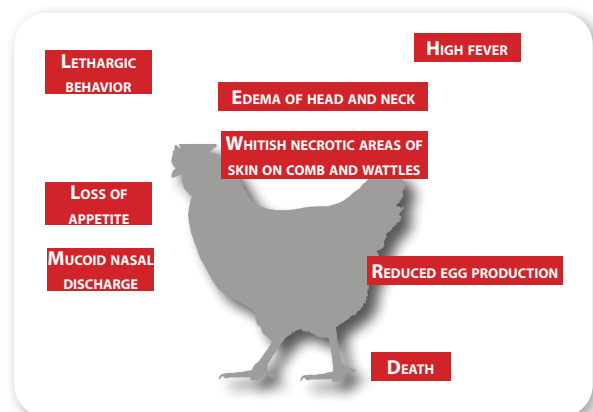
- Direct contact between infected birds
- Contact with secretions of contaminated birds
- Contact with contaminated equipment, vehicles, cages, clothing, rodents, ...

IN HUMANS

As previously mentioned, Avian Influenza viruses do not normally cause illness in species other than birds. The rare human cases of the disease have been associated with direct and intense contact with live birds. The virus enters the body through **mouth, nose and eyes**.

SYMPTOMS

The disease can range from mild to rapidly fatal for all bird species. Bird mortality with the highly pathogenic H5N1 strain can approach 100 percent. Symptoms are:



The incubation period of Avian Influenza is **1 - 10 days up to 17 days** after exposure.

PRECAUTIONS & HYGIENE

The best way to prevent infection with Avian Influenza viruses is to avoid sources of exposure whenever possible. Most human infections with Avian Influenza viruses have occurred following direct close or prolonged contact with sick or dead infected poultry.

In case of contamination:

- The infected farms should be **quarantined**.
- The **flock** of infected or potentially exposed birds should be **destroyed**.
- Barns, vehicles, clothing, boots etc. should be properly **cleaned and disinfected**, following the guidelines of the national health authorities.
- Workers in a poultry environment who have direct or indirect contact with contaminated poultry/birds need to follow **safety procedures**, the recommendations of the WHO, the FAO and the respective national health authorities.

HAND & SKIN HYGIENE

- Wash your hands with water and soap (leave it in contact for at least 10 minutes). Remove all visible dirt.
- Disinfect your hands for 30 seconds with a disinfectant that meets the EN 14476 norm (see list enclosed).

SURFACES

- Clean the surfaces/cages & remove all visible dirt. Leave the detergent at least 10 minutes in contact with the surface.
- Disinfect the surfaces/cages with a disinfectant that meets the EN14476 norm (see list enclosed).

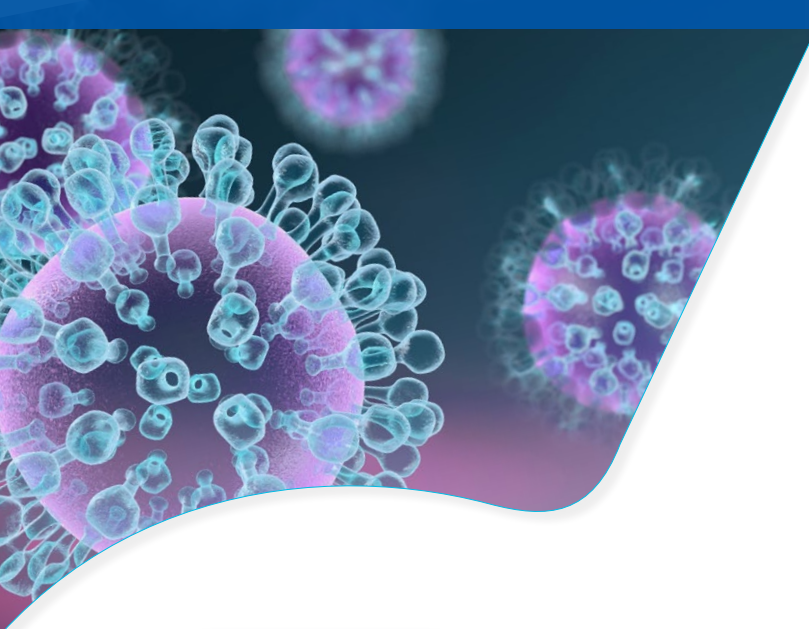
TEXTILES

- The workwear of people working in poultry (or other related companies) should be washed with a disinfectant after being exposed to Avian Influenza.
- Disinfection of the workwear needs to be done with a detergent that meets the EN14476 norm (see list enclosed).



GENERAL RECOMMENDATIONS

- Avoid contact between domestic animals and wild birds. Avoid contact with contaminated animals/animal cages.
- Follow good food safety (cook your food properly) and good food hygiene practices.
- Suspected case of Avian Influenza? Don't touch the animals or cages, consult your local health authorities and strictly follow all necessary procedures.



AVIAN INFLUENZA

HYGIENE MEASURES FOR CONTROL & PREVENTION

HAND HYGIENE

Christeyns offers EN14476 approved hand hygiene products.

Phago'Rub Gel SPS	Hydro-alcoholic hand disinfection gel.
Phago'Rub Solution SPS	Liquid hydro-alcoholic hand sanitizer.



FLOOR & SURFACE HYGIENE

Christeyns offers EN14476 approved disinfection products for floors and surfaces suited for food and non-food environments.

Phago'Spore	Ready-to-use cleaning and disinfection agent for surfaces based on peracetic acid.
Phago'Spray DASR	Hydro-alcoholic no-rinse disinfection spray for food contact surfaces.
Phago'Wipes DASR	Hydro-alcoholic no-rinse disinfection wipes for food contact surfaces.
Phago'Surf ND	Disinfecting detergent for floors, surfaces and equipment. Suited for food contact surfaces.
Mida Chriox 5	Disinfectant based on peracetic acid.
Mida Chriox 15	Disinfectant based on peracetic acid.



TEXTILE HYGIENE & WASH CONCEPTS

Christeyns offers EN14476 approved Peracetic Acid based products for laundries and RKI listed wash processes

Peracid Asepsis	Low temperature bleaching and disinfection agent.
Peracid Forte	Concentrated low temperature bleaching and disinfection agent.
Sanoxy Classic	Multifunctional peracid based bleach.
Sanoxy Asepsis	Multifunctional 3-in-1 peracid based bleach.



Selox Micran 4g/l + Peracid Forte 6ml/l	15 minutes at 40°C
Select Power 1,5 g/l + Peracetic Forte 1,0 ml/l	10 minutes at 60°C
Cool Care 0,5 g/l + Cool Asepsis 8,75 g/l	10 minutes at 60°C
Cool Intense 0,5 g/l + Cool Asepsis 8,75 g/l	10 minutes at 60°C
Majestic Exellent, Maxima Sava, Color 1,5 g/l + Peracid Forte 0,6 ml/l	10 minutes at 70°C
Osmflux Profi 3 g/l + Personril 2 ml/l	15 minutes at 60°C
Osmflux Profi 3g/l + Personril 1,6 ml/l	10 minutes at 70°C
Desosan 6 g/l	15 minutes at 60°C

HYGIENE EQUIPMENT

Christeyns also offers a wide variety of hygiene gates, from simple chemical dispensers to complete hygienic entrances with sole disinfection.



MORE INFORMATION

This overview only shows a part of our product range. Contact your Christeyns expert for more information, additional advice or solutions regarding biocides and disinfection. Use biocides safely. Always read the label and product information before use.

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SOURCES

1. World Health Organization

http://www.who.int/mediacentre/factsheets/avian_influenza/en/

http://www.who.int/influenza/human_animal_interface/about/en/

http://www.who.int/influenza/human_animal_interface/avian_influenza/riskassessment_AH5N8_201611/en/

2. European Centre for Disease Prevention and Control

http://ecdc.europa.eu/en/healthtopics/avian_influenza/pages/index.aspx

<http://ecdc.europa.eu/en/publications/Publications/risk-assessment-avian-influenza-H5N8-europe.pdf>

3. Center for Disease Control and Prevention - US

<https://www.cdc.gov/flu/avianflu/avian-in-humans.htm#searchTarget>

https://wwwnc.cdc.gov/eid/article/14/11/08-0509_article

<https://www.cdc.gov/flu/pdf/avianflu/avian-flu-transmission.pdf>

4. World Organisation for Animal Health

<http://www.oie.int/en/animal-health-in-the-world/web-portal-on-avian-influenza/about-ai/>

http://www.oie.int/fileadmin/Home/eng/Media_Center/docs/pdf/OIE%20Q%26A/H5N8/QA%20H5N8%20Nov%202014.pdf

5. Food and Agriculture Organization of the United Nations

<http://www.fao.org/avianflu/en/disinfection.html>

<http://www.fao.org/avianflu/en/qanda.html>



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MORE INFORMATION

Contact your local Christeyns rep to help you find a solution that fits your personal situation.

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