

# Aldekol<sup>®</sup> DES 04

**Multipurpose Farm Disinfectant**



**BROAD SPECTRUM**  
against livestock  
disease causing  
organisms



**MULTIPURPOSE**  
surface &  
equipment  
disinfectant



**BOOT DIP  
DISINFECTION**



**VEHICLE  
DISINFECTION**



**HIGHLY  
CONCENTRATED  
ACTIVE  
INGREDIENTS**



**THERMAL  
FOGGING  
DISINFECTION  
of empty animal  
facilities**

## Approvals

- Aldekol<sup>®</sup> DES 04 is proven effective against viruses, bacteria and yeasts that affect the health of livestock and poultry. It's concentrated formulation has good materials compatibility, is effective in hard water and at low temperatures.
- UK DEFRA approved for disinfection of inanimate surfaces where an approved product is required to be used under the control legislation for the following specific disease(s) orders;
  - Diseases of Poultry Order and the Avian Influenza and Influenza of Avian Origin in Mammals Order 1:200
  - General Orders 1:65

## Composition

- Glutaraldehyde 24.5% (w/w)
- Didecyltrimethylammonium chloride (DDAC) 7.5% (w/w)
- Excipients: q.s. 100%

## Physical and Chemical Properties

Colour:	Colourless
Odour:	Pungent
Density:	1.045 g/ml (20 °C)
pH of concentrate:	~3.3
pH of a 1% solution:	~4.5

## Application & Use Guidance

Disinfection Task	Dilution Rate	Application
Routine disinfection of hard surfaces and equipment	0.5% (1:200)	Using a pressure washer or other mechanical sprayer with a foam lance, apply Aldekol <sup>®</sup> DES 04 solution at an application rate of 300ml/m <sup>2</sup> or to the point of "run-off". Leave for a minimum of 30 minutes.
Vehicle disinfection	2% (1:50)	Outside, start at the top and work down with attention to wheels, arches, mudguards and underside of vehicle. Inside, starting on top deck and working down, disinfect ceiling, sidewalls, divisions, floors and the tailgate. Leave for a minimum of 5 minutes.
Routine disinfection of footwear	4% (1:25)	Remove organic matter from boots and soles with a stiff brush. Step into the Aldekol <sup>®</sup> DES 04 solution covering the foot of the boot. Allow a minimum of 1 minute contact time.
Thermal fogging disinfection	1.5ml/1m <sup>3</sup> (Aldekol <sup>®</sup> DES 04 concentrate) Prepare an appropriate dilution e.g. 95% water and 5% Aldekol <sup>®</sup> DES 04*	Fill the thermal fogging machine with the required volume of Aldekol <sup>®</sup> DES 04 solution. Direct the nozzle of the fogger into the building, with the air intake situated outside of the building, and activate. Leave the building closed for a minimum of 2 hours and allow mist to fully disperse before re-entering.

NB: \*the dilution can be adjusted. Please contact your local LANXESS representative for more information.

## Virucidal Efficacy data

Virus	Method	Dilution Rate	Temperature (°C)	Soiling	Time (min)
Avian influenza	DVG	0.1%	Room	Dirty	15
Bovine enterovirus (ECBO)	EN 14675	0.2% 1% 2.5%	10	Clean	30 5 1
Feline coronavirus (enveloped virus)	EN 17122	0.1% 1% 3.5%	10	Clean	30 5 1
Newcastle disease	UK DEFRA	0.5%	4	Dirty	30
Porcine parvovirus (non enveloped virus)	EN 17122	0.5% 2% 4%	10	Clean	120 5 1

## Bactericidal Efficacy

Bacteria	Method	Dilution Rate	Temperature (°C)	Soiling	Time (min)
<i>Enterococcus hirae</i>	EN 14349	0.5%	10	Clean	5
<i>Proteus hauseri</i>	EN 14349	0.5%	10	Clean	5
<i>Pseudomonas aeruginosa</i>	EN 14349	0.25%	10	Clean	5
<i>Salmonella</i> Enteritidis	UK DEFRA	1.6%	4	Dirty	30
<i>Staphylococcus aureus</i>	EN 14349	0.5%	10	Clean	5

## Yeasticidal Efficacy

Yeast	Method	Dilution Rate	Temperature (°C)	Soiling	Time (min)
<i>Candida albicans</i>	EN 1657	0.1%	10	Clean	30

The specified uses and registered claims for Aldekol® DES 04 may vary from country to country. Please contact LANXESS directly to verify country-specific approved usages.

## Personal Protective Equipment

Always use Personal Protective Equipment (PPE) when handling and applying chemical concentrates and in-use solutions:

- Overall - chemical risk type 4 single use
- Wellington Boots
- Nitrile Gloves EN374
- Half mask - with canisters ABEK P
- Protective glasses or complete face mask

## Product Presentations

10, 25, and 200 Litres



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**Use biocides safely. Always read the label and product information before use.  
Dangerous product. Respect precautions for use. For professional use only.**

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