

PROGRAMME FOR CATTLE

• Opticide 200 is effective against the following diseases/viruses that occur in cattle.

- ROTAVIRUS – K 99
- CALF-SCOUR
- SALMONELLA
- E. COLI
- MASTITIS
- RINGWORM
- PNEUMONIA
- TB
- BRUCELLOSIS
- FOOTROT
- MORTELLARO

and many more!



OPTICIDE 200

**A broad-spectrum Disinfectant Sterilant for
General Farm use and Animal Housing areas**

Contents: An aqueous solution of 100.0grs /litre (10%v/v) Benzyl C12-14 (even-numbered) alkylmethylchloride + 150 grs per litre (15.0% v/v) Glutaraldehyde

OPTICIDE 200 is a highly effective blend of Glutaraldehyde and Q.A.C's. It is one of the broadest spectrum disinfectants / sterilants available. **Opticide 200** kills all pathogen types including Viruses, Bacteria, Protozoa, Mycoplasma, Fungi & Yeasts. It can be applied by Knapsack sprayer, Watering can, Pressure washer, Cloth, Mop or Fogger. **Opticide 200** remains stable and effective for at least one year after dilution.

Kills all Pathogen Types | Fully Approved | Highly effective Foot Dip
Powerful Disinfectant for Calving Boxes, Lambing Pens & Stables
Routine Bedding & Cubicle Hygiene | Controls Ringworm, Rotavirus, Pneumonia

INSTRUCTIONS FOR USE

For best results, all surfaces should be thoroughly cleaned beforehand. Recommended dilution rates will vary widely depending on the specific surfaces being treated, pathogen types being targeted and your overall objective, **so please make sure to study the more detailed instructions to be found on our website and /or product leaflets.**

AGRICULTURE

In general, **Opticide 200** should be diluted at rates between 1 : 150 (0.66%) and 1 : 50 (2.0%) for general disinfection of Floors, Walls, Equipment surfaces, Cubicles & Bedding areas. Spray on, using 100 to 300 mls of diluted product per sq. meter of surface area. Where there is a known disease problem, increase the concentration to 1 : 50 until the problem has cleared up.

Routine Hygiene in Milking Parlours, Lambing pens, Calving boxes, Sheep sheds, Stables, Farrowing crates, Kennels, Hatcheries, Surgeries etc., Use 1 : 150. **Foot dipping Livestock:** Preventative treatment use 1 : 50. For curative situations use 1 : 25. **Control of Ringworm,**

Rotavirus, Pneumonia etc in Calf Pens: Clean thoroughly first & use 1 : 50. **Boot Dips:** Use 1 : 50 and change at least monthly: **Vehicle disinfection & fogging:** Use 1 : 150. **Water treatment in poultry:** Use 1 : 3000. **Egg Washing:** Use 1 : 200.

OTHER NON-FOOD CONTACT AREAS

This product has been tested by the *Campden Food & Drink Research Association* and found to be a suitable surface disinfectant at a 0.5% concentration. Pathogens tested by Campden included Salmonella sp., Staphylococcus sp., Streptococcus sp., Pseudomonas sp., Proteus sp., Listeria sp. and Saccharomyces sp.

In normal cleaning operations, use a dilution rate of 1 : 200 (0.5%). Cover all surfaces including Floors, Walls, Tables etc. In particularly challenging situations eg, Toilets & Washrooms and /or for sterilizing Mops, Cloths etc., use a dilution rate of 1 : 100 (1%)



Scan me!

This preparation has been approved by the Minister for Agriculture, Food and the Marine as a disinfectant for the purpose of the Disease of Animal Act, 1966 and Orders made thereunder. The contents of this container are hereby guaranteed to be the same quality and composition as approved by the Minister for Agriculture, Food and the Marine

Approved uses and Dilution rates

- * Foot and mouth disease orders in the proportion of one part of this preparation to 50 parts of water.
- * Swine vesicular disease order in the proportion of one part of this preparation to 150 parts of water.
- * Diseases of poultry order in the proportion of one part of this preparation to 125 parts of water.
- * Tuberculosis orders in the proportion of one part of this preparation to 13 parts of water.
- * General orders in the proportion of one part of this preparation to 61 parts of water.

WARNINGS: H335 May cause respiratory irritation. H400 Very toxic to aquatic life. H412 Harmful to aquatic life with long lasting effects. P280 Wear protective clothing, gloves, eye, and face protection. P260 Do not breathe Dust /mist/vapours/. P284 In case of inadequate ventilation wear respiration protection. P303+P361+P353 IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower. P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. P301+P310 IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician. P405 Store locked up.

PCS No: 95482





FOOT DIPPING FOR CATTLE

- To control the spread of foot rot, foul of the foot and **MORTELLARO**.
- Trim the feet of badly affected animals before foot dipping. Add Opticide 200 at a 1:50 dilution to a depth of 4" in the footbath. For lame animals, use a dilution of 1:25.
- Footbath animals for 2-3 days, changing the solution after 2-3 footbaths.
- Continue foot dipping 2-3 times every 14 days whilst cattle are housed and reduce to monthly use when outside.
- Opticide 200 will prevent the spread of infection and cross-infection.



A photograph of a cow lying in a metal stall in a milking parlor. The cow is dark-colored with long, curved horns. The stall is made of metal bars. The background is slightly blurred, showing other stalls and the interior of the milking parlor.

CONTROL OF PATHOGENS IN CUBICLES

- Opticide 200 can be sprayed at a dilution of 1:150 on the last 3 feet of cubicles where the udder and teats make contact with bedding; straw, sawdust, etc.
- Applying Opticide 200 twice weekly will help reduce pathogenic mastitis challenges by creating a disinfectant barrier between the floor and the cow helping to reduce cell counts and bacteria-caused mastitis challenges.
- Also use Opticide 200 diluted 1:150 in the milking parlour, on the floor, walls, and equipment.
- For internal hygiene after spring turnout, use Opticide 200 diluted 1:50 in sheds after thoroughly cleaning out with a pressure washer.



DISEASE CONTROL FOR CALVES DURING HOUSING

- Remove all bedding and dirt from walls and floors and pressure wash clean. Spray Opticide 200 at a dilution of 1:150 onto all surfaces, applying at the rate of 100ml of diluted product per square meter. Place fresh bedding in calf pens.
- It can be sprayed on laying areas and calf bedding at a dilution of 1:150 on a weekly basis.
- Ringworm tends to be endemic in wooden buildings. First thoroughly clean all accommodation, pen sections and moveable equipment by pressure washing. Then spray Opticide 200 diluted at 1:50, using 300ml of diluted product per square metre, on all surfaces including pen sections, walls, and floors. This should be done every time the building is empty.
- Alternatively, Opticide 200 can be applied at a dilution of 5:100 directly to the affected animal as a once-off treatment.
- Opticide 200 can also be used as a control for warts on heifers pre-calving at a 5:100 dilution.





OPTICIDE 200 IS EFFECTIVE AGAINST THE FOLLOWING BOVINE DISEASES/VIRUSES

Dilution Ratio	Dilution Rate
01:50	20mLs per litre of water
	400mLs per 4 gallons of water
	500mLs per 5 gallons of water
1:150	4 litres per 200 litres of water
	7mLs per litre of water
	140mLs per 4 gallons of water
1:200	175mLs per 5 gallons of water
	1.3 litres per 200 litres of water
	5mLs per litre of water
	100mLs per 4 gallons of water
	125mLs per 5 gallons of water
	1 litre per 200 litres of water

Virus Type	Virus	Disease	OPTICIDE Dilution
Adenovirus	Adenovirus (H)	Pneumonia	1:100
		Pneumoenteritis	
Herpetovirus	Bovine Herpesvirus (L)	Bovine Rhinotracheitis	1:1400
Picornavirus	F.M.D. Virus (H)	Foot and Mouth Disease	1:80
Poxvirus	Orthopoxvirus (L)	Cowpox	1:500
Paramyxovirus	Parainfluenza 3	Acute Upper Respiratory	1:750
	Virus (L)	Infection	
Togavirus	Pestivirus (L)	Bovine Virus	1:200
		Diarrhoea-Mucosal	
		Disease	
Reovirus	Rotavirus (H)	Diarrhoea	1:100
	(H) = Hydrophilic Virus -	(L) = Lipophilic Virus	
Bacteria Type	Bacteria	Disease	OPTICIDE Dilution
Corynebacterium pyogenes	Gram + Bacteria	Corynebacterial Mastitis	1:7000
Escherichia coli	Gram - Bacteria	Coliform Mastitis	1:1500
		Colitoxicosis (Toxaemia)	
Salmonella Dublin	Gram - Bacteria	Septicaemia	1:1500
		Enteritis	
Haemophilus	Gram - Bacteria	Haemophilosis	1:1600
		(Septicaemia)	
Bacillus anthracis	Gram + Bacteria	Anthrax	1:60
Brucella abortus	Gram - Bacteria	Brucellosis	1:60
Pasteurella Multcida	Gram - Bacteria	Haemorrhagic	1:3200
		Septicaemia	
Pseudomonas aeruginosa	Gram - Bacteria	Mastitis	1:5000
Klebsiella pneumoniae	Gram - Bacteria	Pulmonary Lesions	1:3500
Staphylococcus aureus	Gram + Bacteria	Mastitis	1:1500
Streptococcus agalactiae	Gram + Bacteria	Mastitis	1:2000
Fungus Type	Fungus	Disease	OPTICIDE Dilution
Trichophyton mentagrophytes	Spore Forming Fungus	Ringworm	1:50
Aspergillus spp	Fungus (Mould)	Jaundice	1:1000