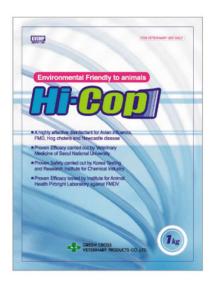
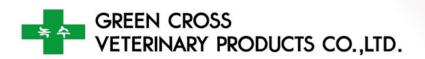


**Environmental Friendly to animals** 

# FIFE CONTRACTOR OF THE PROPERTY OF THE PROPERT

- A highly effective disinfectant for Avian influenza,
   FMD, Hog cholera and Newcastle disease
- Proven Efficacy carried out by Veterinary Medicine of Seoul National University
- Proven Safety carried out by Korea Testing and Research Institute for Chemical Industry
- Proven Efficacy tested by Institute for Animal Health Pirbright Laboratory against FMDV





# THE ULTIMATE BROAD SPECTRUM VIRUCIDAL DISINFECTANT

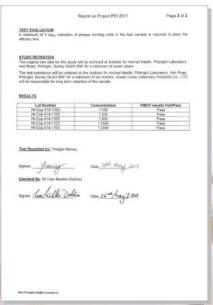
# Why is Hi-Cop the No.1 choice for disinfection?

- A highly effective disinfectant for Avian influenza and FMD
- Powerful, broad spectrum disinfection effectiveness of triple salt and organic acid
- Friendly to animals and, Non irritant to skin, Non irritant to eyes
- No corrosive effects on mild or stainless steel when used as directed
- Good persistance of disinfection effectiveness
- A powder for easy storage, transportation and accurate dilution
- In the aqueous environment Hi-Cop will eventually degrade and should pose no problem to sewage treatment processes
- Proven Efficacy and Safety carried out by Veterinary Medicine of Seoul National University and Korea Testing and Research Institute for Chemical Industry
- Proven Efficacy tested by Institute for Animal Health Pirbright Laboratory against FMDV

# **Hi-Cop - Spectrum of Activity**

Powerful - independently proven effective against all virus, bacteria and fungi affecting man and animals. Hi-Cop is proven effective at 1:5000 dilution against Avian influenza, 1:2000 dilution against FMD(Foot and mouth disease) and is powerful effective other viral families causing disease in birds & animals







# Dilution Rate Test against Foot and mouth disease

Condition	Dilution Rate	Test Results	Final Dilution Rate	
	1:100	PASS		
Hard water	1:200	PASS		
containing 1% FBS	1:500	PASS	1:2000	
(foetal bovine serum)	1:1000	PASS		
	1:2000	PASS		

Disinfectant Efficacy Test Result Carried out by Institute for Animal Health Pirbright Laboratory

# Dilution Rate Test against Avian influenza

Condition	Dilution Rate	Deactiv	Final Dilutio		
		Test 1	Test 2	Test 3	Rate
	1 : 2000	<0.50	<0.50	<0.50	
	1 : 2500	<0.50	<0.50	<0.50	
	1:3000	<0.50	<0.50	<0.50	
Distilled water	1:4000	<0.50	<0.50	<0.50	1:5000
Distilled Water	1 : 5000	0.67	0.67	0.83	1.5000
	1:6000	>3.50	2.83	3.00	
	Potency against Pathogen	6.67	6.83	6.67	
	Efficasy Dilution Rate	1:5000	1:5000	1:5000	
	1:2000	<0.50	<0.50	<0.50	
	1:2500	<0.50	<0.50	<0.50	
	1:3000	0.83	<0.50	<0.50	
Hard water	1:4000	1.67	1.33	1.67	1:5000
naid water	1:5000	2.83	2.50	2.00	1.3000
	1:6000	>3.50	>3.50	>3.50	
	Potency against Pathogen	6.67	6.67	6.50	
	Efficasy Dilution Rate	1:4000	1:5000	1:5000	

# Dilution Rate Test against New castle disease

G	P/2-1/- P-1-	Deactiv	Deactivation Potency (logTCID50)		
Condition	Dilution Rate	Test 1	Test 2	Test 3	Rate
	1:1000	<0.50	<0.50	<0.50	
	1:1200	<0.50	<0.50	<0.50	
	1:1500	<0.50	<0.50	1.33	
Distilled water	1 : 2000	2.00	1.67	1.83	1:2000
Distilled Water	1 : 2500	3.17	3.17	2.83	1.2000
	1:3000	3.33	>3.50	>3.50	
	Potency against Pathogen	6.67	6.67	6.25	111
	Efficasy Dilution Rate	1:2000	1:2000	1:2000	
	1:1000	<0.50	1.00	0.67	
	1:1200	<0.50	1.33	0.83	
	1:1500	<0.50	1.67	1.67	
Hard water	1:2000	0.83	2.17	2.50	1:2000
naiu water	1:2500	2.50	3.00	3.17	2000
	1:3000	2.67	>3.50	>3.50	
	Potency against Pathogen	6.13	6.25	6.50	
	Efficasy Dilution Rate	1:2000	1:2000	1:2000	

Disinfectant Efficasy Test Result according to Protocol of National Veterinary Research & Quarantine Service

- Carried out by College of Veterinary Medicine of Seoul National University

**Environmental Friendly to animals** 



# Ingredients (each 1Kg contains)

► Triple salt (Pot	tassium monopersulfate)	500g
► Malic acid		120g
► Citric acid		100g
► Sulphamic aci	id	50g
► Excipients		q.s

## Indication

- 1) Routine disinfection and cleaning of animal shed, instruments, and site.
  - piggeries, cattle shed and poultry units.
- 2) Disinfection for various virus and bacteria.
  - Virus: FMD(Foot and Mouth disease), HCV(Hog cholera), NDV(Newcastle disease), Al(Avian influenza), and etc.
  - Bacteria : Salmonella choleraesuis and various bacteria.

# **Dosage and Administration**

1) Recommended dilution for each disease

	Decommon detion of dilution yets					
Disinfectant materials		Recommendation of dilution rate				
		General disease (Salmonella choleraesuis)	Specific disease			
			FMD (Foot and Mouth disease)	HCV (Hog cholera)	NDV (New castle disease)	Al (Avian influenza)
Organic water condition Hard water condition		1:90	4 . 0000	1:150	1:200	1:200
		1:1200	1:2000	1:200	1:2000	1:5000
Disinfectant things of with more organic materials	foothold, entrance & exit door, barn bottom, stadium, transportation equipments (farming, animal transportation, excretion, hay, milk vehicle) out breaking place, farm vehicles, etc	90	2000	90	90	90
Disinfectant things of with less organic materials	inner or outer barn & barn equipments, driver's seat, paved way, etc.	1200		200	1200	1200

## 2) Applying method

- First, cleansing an objective before applying disinfectant.
- Inner and outer barn: spray hardly for all the surface (200~300ml per m²)
- Cleansing and disinfection for barn equipment : spray hardly for whole wetting
- Disinfection of barn space : spray dilution 1L per 100m³ with lower pressure



GREEN CROSS VETERINARY PRODUCTS CO.,LTD.

438, JUNGBU-DAERO, GIHEUNG-GU, YONGIN-CITY, KYUNGGI-DO, KOREA. Tel: 82-31-283-3423 Fax: 82-31-281-8814 Homepage: www.gcvp.co.kr



#### Description

A highly effective disinfectant for Avian influenza, FMD, Hog cholera and Newcastle disease. Powerful, broad spectrum disinfection effectiveness of triple salt and organic acid. No corrosive effects on mild or stainless steel when used as directed. Good persistence of disinfection effectiveness.

#### Composition (Each 1kg contains)

0	Triple salt	500g
0	Malic acid	120g
0	Anhydrous citric acid	100g
0	Sulphamic acid	50g

#### Indication

- · Routine disinfection and cleaning of animal shed, instruments, and site.
  - piggeries, cattle shed and poultry units.
- · Disinfection for various virus and bacteria.
  - Virus : FMD(Foot and Mouth disease), HCV(Hog cholera), NDV(Newcastle disease), Al(Avian influenza), and etc.
  - Bacteria : Salmonella cholerasuis and various bacteria.

#### **Administration and Dosage**

Recommended dilution for each disease

		Recommendation of dilution rate				
Disinfectant materials		General	Specific disease			
	Test Result	disease (Salmonella choleraesuis)	HCV (Hog cholera)	NDV (New castle disease)	Al (Avian influenza)	FMD (Foot and Mouth disease)
	Organic water condition	1:90	1:150	1:200	1:200	1:2000
	Hard water condition	1:1200	1:200	1:2000	1:5000	1.2000
Disinfectant things of with more organic materials	foothold, entrance & exit door, barn bottom, stadium, transportation equipments (farming, animal transportation, excretion, hay, milk vehicle) out breaking place, farm vehicles, etc	90	90	90	90	2000
Disinfectant things of with less organic materials	inner or outer barn & barn equipments, driver's seat, paved way, etc.	1200	200	1200	1200	

- Applying method
  - First, cleaning an objective before applying disinfectant.
  - Disinfection of inner or outer barn: spray hardly for all the surface (200~300mL per m²)
  - Cleaning or disinfection for barn equipment : spray hardly for whole wetting
- Disinfection of barn space: spray dilution 1L per 100m³ with lower pressure

### **Storage and Expiry Date**

- · Storage: Store in a cool, dry and dark place.
- · Expiry: Effective for 36 months after manufactured date

#### Packing 1kg