



USES - CITREX LIQUID

BREEDERS & GRAND PARENTS

CITREX is a 100% organic antimicrobial with bactericidal, virucidal and fungicidal properties which leaves no residues on eggs and meat. It can be mixed with chlorine, antibiotics, probiotics, prebiotics and acidifiers in the drinking water.

COMPOSITION

Combination of physically activated ascorbic acid (vitamin C) with citric and lactic acids plus vegetable glycerin.

PRESENTATION

Generally sold worldwide in two concentrations, 100% in plastic drums of 52 liters (60 kg.) and at 20% in plastic bottles of 1, 5 and 20 liters.

DRINKING WATER

1. Chicks reception. Apply alone or mixed with antibiotics during the first 3 to 5 days to eliminate viruses, fungi and bacterial pathogens that cause diarrhea and/or respiratory problems.

Dose: 100 ppm

Dose: 200 ppm (history of problems during reception)

2. Post-vaccinal reactions prevention and control. Apply 12 hours after vaccination with live respiratory viruses such as Newcastle and/or Bronchitis, for a minimum of 5 consecutive days, twice a day. Do not use Citrex 24 hours before or 12 hours after vaccination.

Dose: 100 ppm

3. Therapeutic adjuvant for respiratory disease treatment. Apply for 4 to 5 consecutive days in flocks sneezing and wheezing, in conjunction with antibiotics. If necessary, apply it for longer periods of time.

Dose: 200 ppm

4. Salmonellosis prevention. Application in infected birds (isolation of Salmonella in the stools) or for prevention purposes.

Prevention: 100 ppm continuously.

Infected birds: 200 ppm for a minimum of 21 days.

5. Unspecific diarrhea control. Treat birds with diarrhea associated with *Escherichia coli* infections and other enteric pathogens.

Dose: 200 - 300 ppm



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BREEDERS & GRAND PARENTS

SPRAY (1000 ppm)

- 1. Biosecurity.** Apply 1 liter of solution per 250 m² with a sprayer or use the cooling system (foggers) twice a day for 5-10 minutes approximately. Do not spray the day birds are vaccinated.
- 2. Post-vaccinal reactions control.** Same as above but spray 12 hours post vaccination with live viruses for a minimum of 5 consecutive days, twice a day.
- 3. Therapeutic adjuvant for respiratory disease treatment.** Treat twice a day for a minimum of 4 to 5 days in flocks showing respiratory rales and sneezing. Obtain optimum results by simultaneously applying the product in the drinking water.

DISINFECTION

- 1. Egg disinfection.** Spray or wash eggs after collection to disinfect and extend their shelf life (1000 ppm).
- 2. Farm equipment.** Apply on trays, boxes, sorting tables, trucks and general equipment (1000 ppm).
- 3. Biosecurity.** Apply with a proportioner or medicator to disinfect the water used in the showers by the farm personnel (200 ppm).

Dose (ml) of Citrex to be mixed with 100 liters of water to obtain the correct concentration in ppm.

Citrex concentration (ppm)	Dose of CITREX 100% / 100 liters (26.4 gallons) of water	Dose of CITREX 20% / 100 liters (26.4 gallons) of water
50	5.0 ml	25.0 ml
100	10.0 ml	50.0 ml
200	20.0 ml	100.0 ml
300	30.0 ml	150.0 ml
400	40.0 ml	200.0 ml
500	50.0 ml	250.0 ml
600	60.0 ml	300.0 ml
800	80.0 ml	400.0 ml
1000	100.0 ml	500.0 ml

CITREX LIQUID is also sold under the following brandnames: **Bioclean, Citroclean and Ecoclean.**



USES - CITREX LIQUID

BROILERS

CITREX is a 100% organic antimicrobial with bactericidal, virucidal and fungicidal properties which leaves no residues in meat. It can be mixed with chlorine, antibiotics, probiotics, prebiotics and acidifiers in the drinking water.

COMPOSITION

Combination of physically activated ascorbic acid (vitamin C) with citric and lactic acids plus vegetable glycerin.

PRESENTATION

Generally sold worldwide in two concentrations, 100% in plastic drums of 52 liters (60 kg.) and at 20% in plastic bottles of 1, 5 and 20 liters.

DRINKING WATER

- 1. Chicks reception.** Can be used alone or mixed with antibiotics during the first 3 to 5 days to eliminate viruses, fungi and bacteria that cause diarrhea and/or respiratory problems.

Dose: 100 ppm

Dose: 200 ppm (history of problems during reception)

- 2. Omphalitis.** Helps control omphalitis associated with *Pseudomonas* infections at the hatchery when applied for 3 to 5 days.

Dose: 800 ppm

- 3. Post-vaccinal reactions prevention and control.** Apply 12 hours after vaccination with live respiratory viruses such as Newcastle and or Bronchitis, for a minimum of 5 consecutive days, twice a day. Do not use Citrex 24 hours before or 12 hours after vaccination.

Dose: 100 ppm

- 4. Therapeutic adjuvant for respiratory disease treatment.** Apply for 4 to 5 consecutive days in flocks sneezing and wheezing, in conjunction with antibiotics. If necessary, apply it for longer periods of time.

Dose: 200 ppm

- 5. Salmonellosis prevention.** Application in infected birds (isolation of *Salmonella* in the stools) or for prevention purposes.

Prevention: 100 ppm continuously

Infected birds: 200 ppm for a minimum of 21 days



USES - CITREX LIQUID

BROILERS

6. Unspecific diarrhea control. Treat birds with diarrhea associated with *Escherichia coli* infections and other enteric pathogens.

Dose: 200 - 300 ppm

SPRAY (1000 ppm)

- 1. Biosecurity.** Apply 1 liter of solution per 250 m² with a sprayer or use the cooling system (foggers) twice a day for 5-10 minutes approximately. Do not spray the day birds are vaccinated.
- 2. Post-vaccinal reactions control.** Same as above but spray 12 hours post vaccination with live viruses for a minimum of 5 consecutive days, twice a day.
- 3. Therapeutic adjuvant for respiratory disease treatment.** Treat twice a day for a minimum of 4 to 5 days in flocks showing respiratory rales and sneezing. Obtain optimum results by simultaneously applying the product in the drinking water.
- 4. Farm and equipment disinfection.** Can be apply to cages and the truck used for the transportation of broilers to the slaughter houses.

Dose (ml) of Citrex to be mixed with 100 liters of water to obtain the correct concentration in ppm.

Citrex concentration (ppm)	Dose of CITREX 100% / 100 liters (26.4 gallons) of water	Dose of CITREX 20% / 100 liters (26.4 gallons) of water
50	5.0 ml	25.0 ml
100	10.0 ml	50.0 ml
200	20.0 ml	100.0 ml
300	30.0 ml	150.0 ml
400	40.0 ml	200.0 ml
500	50.0 ml	250.0 ml
600	60.0 ml	300.0 ml
800	80.0 ml	400.0 ml
1000	100.0 ml	500.0 ml

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USES - CITREX LIQUID

LAYERS

CITREX is a 100% organic antimicrobial with bactericidal, virucidal and fungicidal properties which leaves no residues in meat or eggs. It can be mixed with chlorine, antibiotics, probiotics, prebiotics and acidifiers in the drinking water.

COMPOSITION

Combination of physically activated ascorbic acid (vitamin C) with citric and lactic acids plus vegetable glycerin.

PRESENTATION

Generally sold worldwide in two concentrations, 100% in plastic drums of 52 liters (60 kg.) and at 20% in plastic bottles of 1, 5 and 20 liters

DRINKING WATER

DOSE: 100-200 PPM

- 1. Chicks reception.** Apply alone or mixed with antibiotics during the first 3 to 5 days to eliminate viruses, fungi and bacteria that cause diarrhea and/or respiratory problems.
- 2. Post-vaccinal reactions prevention and control.** Apply 12 hours after vaccination with live respiratory viruses such as Newcastle and/or Bronchitis, for a minimum of 5 consecutive days, twice a day. Do not use Citrex 24 hours before or 12 hours after vaccination.
- 3. Therapeutic adjuvant for respiratory disease treatment.** Apply for 4 to 5 consecutive days in flocks sneezing and wheezing, in conjunction with antibiotics. If necessary, apply for longer periods of time.
- 4. Salmonellosis prevention.** Application of 100 ppm continuously in infected birds (isolation of Salmonella in the stools) or 200 ppm for a minimum of 21 days for prevention purposes.

DOSE: 300 PPM

- 1. Unspecific diarrhea control.** Treat birds with diarrhea associated with *Escherichia coli* infections and other enteric pathogens.
- 2. Treatment of colibacillosis.** Apply for a minimum of 7-10 days.



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LAYERS

SPRAY (1000 ppm)

- 1. Biosecurity.** Apply 1 liter of solution per 250 m² with a sprayer or use the cooling system (foggers) twice a day for 5-10 minutes approximately. Do not spray the day birds are vaccinated with live viruses.
- 2. Post vaccinal reactions control.** Same as above but spray 12 hours post vaccination with live viruses for a minimum of 5 consecutive days, twice a day.
- 3. Therapeutic adjuvant for respiratory disease treatment.** Treat twice a day for a minimum of 4 to 5 days in flocks showing respiratory rales and sneezing. Obtain optimum results by the simultaneous application in the drinking water.

DISINFECTION (1000 ppm)

- 1. Egg disinfection.** Spray or wash eggs after collection to disinfect and extend the their life.
- 2. Farm equipment.** Apply on trays, boxes, sorting tables, trucks and general equipment.

Dose (ml) of Citrex to be mixed with 100 liters of water to obtain the correct concentration in ppm.

Citrex concentration (ppm)	Dose of CITREX 100% / 100 liters (26.4 gallons) of water	Dose of CITREX 20% / 100 liters (26.4 gallons) of water
50	5.0 ml	25.0 ml
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200	20.0 ml	100.0 ml
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500	50.0 ml	250.0 ml
600	60.0 ml	300.0 ml
800	80.0 ml	400.0 ml
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USES - CITREX LIQUID

POULTRY HATCHERIES

CITREX is a 100% organic antimicrobial with bactericidal, virucidal and fungicidal properties which leaves no residues in eggs. It can be mixed with chlorine, acidifiers and other disinfectants in an aqueous solution and represents an excellent tool for a HACCP program.

COMPOSITION

Combination of physically activated ascorbic acid (vitamin C) with citric and lactic acids plus vegetable glycerin.

PRESENTATION

Generally sold worldwide in two concentrations, 100% in plastic drums of 52 liters (60 kg.) and at 20% in plastic bottles of 1, 5 and 20 liters.

USES (1000 ppm)

- Disinfection of clean fertile eggs.
- Disinfection of dirty fertile eggs (washed).
- Disinfection of setters (floors, walls, ceilings and ducts).
- Disinfection of carts, trays and general hatchery equipment.
- Disinfection of walls, floors, ceilings, halls and general facilities.
- Disinfection of hatcheries (Aspergillois prevention).
- Application in humidifiers located in the cold room.
- Spray through the spray nozzles to control Pseudomonas infections (setter and hatcher).

Dose (ml) of Citrex to be mixed with 100 liters of water to obtain the correct concentration in ppm.

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500	50.0 ml	250.0 ml
600	60.0 ml	300.0 ml
800	80.0 ml	400.0 ml
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USES - CITREX LIQUID

SLAUGHTER HOUSES AND MEAT PROCESSING PLANTS

CITREX is a 100% organic antimicrobial with bactericidal, virucidal and fungicidal properties which leaves no residues in meat. It can be mixed with chlorine, antibiotics, probiotics and acidifiers in the water used for disinfection and represents an excellent tool for a HACCP program.

COMPOSITION

Combination of physically activated ascorbic acid (vitamin C) with citric and lactic acids plus vegetable glycerin.

PRESENTATION

Generally sold worldwide in two concentrations, 100% in plastic drums of 52 liters (60 kg.) and at 20% in plastic bottles of 1, 5 and 20 liters.

USES	Concentration (ppm)
Disinfection of cages, transportation trucks and unloading facilities Disinfection of processing equipment (Knives, saws, tables, trays, trolleys, etc.)	1000
Carcass disinfection (Spray with the spray nozzles in the processing line)	800
Spraying or dipping meat before refrigeration	
Spraying or dipping sausages before refrigeration	
Disinfection of processing equipment at the end of the workday	1000
Staff hand washing	200
Disinfection of baths and floor offices	1000
Use in air conditioning system to control microbial contaminants in the environment	800 - 1000

Dose (ml) of Citrex to be mixed in 100 liters of water to obtain the correct concentration in ppm

Citrex concentration (ppm)	Dose of CITREX 100% / 100 liters (26.4 gallons) of water	Dose of CITREX 20% / 100 liters (26.4 gallons) of water
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300	30.0 ml	150.0 ml
400	40.0 ml	200.0 ml
500	50.0 ml	250.0 ml
600	60.0 ml	300.0 ml
800	80.0 ml	400.0 ml
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SLAUGHTER HOUSES AND MEAT PROCESSING PLANTS

ADVANTAGES

Bactericidal, virucidal and fungicidal

Effective against Gram + and Gram - bacteria

Approved as a sanitizer (1%) by the Environmental Protection Agency (EPA) in the USA

Certified organic by Ecocert and Oko Garantie

All of its ingredients are classified as GRAS (Generally Recognized as Safe) by FDA in the USA

All of its ingredients are approved for use in slaughter houses and meat processing plants by FSIS-USDA in the USA

Produced in a certified FAMI-QS (European Union) facility

Avoid corrosion of all equipment treated

Non volatile, non irritating to the staff in charge of its application

Non carcinogenic. Non toxic

Prolonged shelf life. More than 18 months when stored under normal conditions

Effective when mixed with chlorine in an aqueous suspension

Residual effect of more than 48 hours

Can be included in a HACCP program in farms, slaughter houses and processing plants

Biodegradable

Effective against the most important pathogens responsible for food contamination (Listeria, Campylobacter, *E. Coli*, Salmonella, etc.)

Main ingredients easily identified with HPLC

Compatible with products used for marinating, preparation of sausages, baking, etc.

Get additional information of CITREX LIQUID trials at Citrex.com

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