

Rationale For Citrox™

We live in a world where the overuse of antibiotics creates resistant “super-bugs”, food contamination is an ever-present threat, parasites abound, and the modern processed diet compromises immune function. Several common strains of *Salmonella* are already on their way to becoming antibiotic-resistant. Diseases such as malaria, diphtheria and yellow fever are making a comeback due to increased travel opportunities and immigration.

CITROX™

W Y S O N G

PURPOSE:

A safe, effective, natural antimicrobial and fungicidal that enhances the immune system and the safety of foods. It can be used to disinfect raw meats and produce, retard spoilage, as an all-purpose disinfectant for household cleaning, topically for disinfection of the skin, and may even be consumed orally as an antimicrobial and immune stimulant.

INGREDIENTS:

Vegetable Glycerin, Citrus Seed Extract and Pulp, Wysong Oxherphol™ antioxidant (Vitamin E Tocopherol Epimers, Fat-Soluble Vitamin C, Organic Chelators, and Natural Botanical Oleoresins).

– Contains No Additives –

DIRECTIONS:

Food Preparation (raw fruits, vegetables, and meat): Add 20 drops to a sink of cold water. Soak for 5-10 minutes.

Topical Use: Fill a 32-oz. pump sprayer with water. Add 10-20 drops of Citrox. Spray surface or skin. Allow to sit for 5-10 minutes, then rinse/wipe.

Oral Use: Add 8-12 drops to 5-oz. glass of juice or water several times per day.

Due to its high acidity content, Citrox should not be used without being diluted.

PACKAGING:

Net Vol. 2 fl. oz. (59 ml.). Citrox's bottle is made of a recyclable material.



The public believes that antibiotics are the heroes of modern medicine, that all microbes are meant to be vanquished, and that science will continue to develop newer and better pharmaceuticals. The value of antibiotic therapy has been greatly diminished due to overuse in humans and animals. Children and adults are given antibiotics routinely for common ills. Farm animals are given antibiotics in their food to stimulate growth and as a prophylactic. The overuse of antibiotics not only assists in the creation of antibiotic-resistant strains of bacteria, but it also weakens the immune system by killing off beneficial (probiotic) gut bacteria that play a major role in the immune system.

Bacterial resistance has been documented in several primitive tribes that have no access to antibiotics. Kalahari bushmen of southern Africa, for example, have been tested for bacterial resistance. Stool sample analyses detected small amounts of bacteria, approximately 1 in 50, carrying a resistance gene (see Figure 1). In contrast, Europeans, long-exposed to antibiotics, have 25 out of 50 bacteria carrying a resistance gene. Such evidence shows that the use of antibiotics cannot be blamed for initiating bacterial resistance. However, it has enhanced and encouraged it.

Food contamination is common. Examples are *E. coli* and *Salmonella* poisoning. When farm animals are routinely given antibiotics to prevent disease and to “enhance” growth, the autochthonous gut microflora (probiotics) are disrupted, resulting in rapid infection when withdrawn. Without competitive probiotic organisms, pathogens flourish. Food animals thus become a source of food-borne pathogens.

Health and performance of farm animals, in contrast, are enhanced by keeping beneficial gut microflora intact. Studies using neonatal pigs as models have shown that maintaining gut bacteria significantly suppressed fecal coliform (*E. coli*) counts. There were no signs of diarrhea in the study subjects, even 72 hours after a challenge dose of *E. coli* was given. In chickens, resistance to disease is actually decreased when increasing the “hygiene” of chicks by removing them from the mothers’ droppings. Resistance (to infective doses of 10^3 - 10^6 cells of *Salmonellae*, for example) can actually be increased by feeding the chicks the mothers’ probiotic-rich droppings.

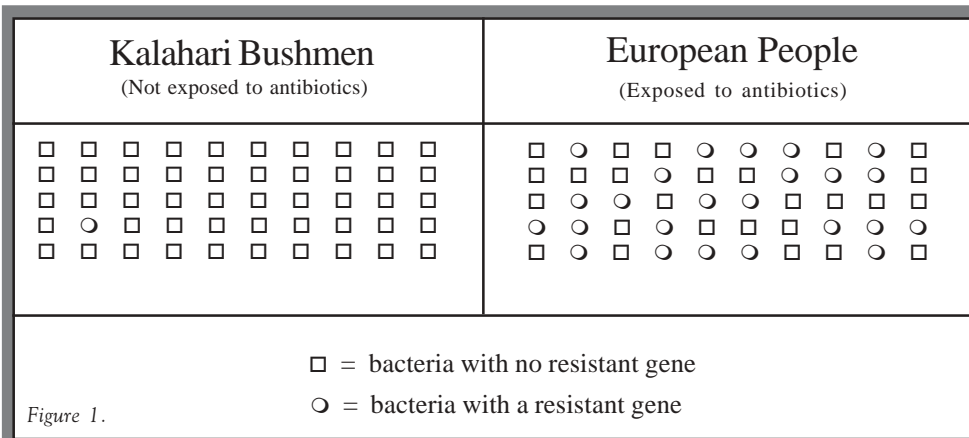


Figure 1.

Immunosuppression and antibiotic-resistance are also problematic to humans consuming therapeutic levels of antibiotics. As in animals, disruption of human gut microflora can lead to suppressed immunity and infections such as intestinal candidiasis. Inappropriate use of antibiotics, such as not taking the full dose prescribed, combined with suppressed immunity, can also lead to bacterial resistance and a return infection.

In our sanitized society, it is thought that parasitic infections are rare. On the contrary, a recent test sample in New York showed 76% of human patients with digestive complaints were positive for at least one parasitic organism (see Figure 2). Parasites are symbiotic, harming their host by causing digestive upset, malnutrition, and immune suppression. Common examples include tapeworms, roundworms, *Giardia lamblia* (commonly found in our water supply), and intestinal flukes. Parasites not only live in the gut, but they can also take up residence in the skin, vital organs, joints and muscles.

Action of Citrox™ Ingredients

Natural alternatives to antibiotics have been found that are effective against bacteria (including drug-resistant strains), viruses, yeast, fungus, mold, and parasites. One of these alternatives is Wysong Citrox™.

Active components include quaternary ammonium chloride compounds derived from bioflavonoids. Citrox is rich in compounds that have antioxidant and polyphenolic properties, such as quercetin, heloperidin, campherol glycoside, neoheloperidin, naringin, apigenin, rutinoid, and poncirin.

Citrox's mode of action occurs in the cytoplasmic membrane of the microbe. It prevents the uptake of crucial amino acids in the membrane causing disorganization. This allows the cell's contents to leak, thus inactivating the microbe. The exact mechanism of how amino acid uptake is prevented is not known, but it is thought that there is inhibition of the enzymatic activities of the affected cell membrane.

Citrox is a highly concentrated, broad-spectrum antimicrobial compound. Research has shown that the natural extracts found in Citrox are effective against more than 800 bacterial and viral strains, 100 strains of fungus and yeasts, as well as a large number of single-celled and multi-celled organisms. Included in this list are: *Candida albicans* (cause of common yeast infections), parasites, *Staphylococcus aureus*, *Salmonella typhi*, and *Escherichia coli*. In a minimum inhibitory concentration study, the citrus seed extract found in Citrox was found to be 10 to 100 times more effective than other commonly used

antimicrobials such as silveroxide suspension, chlorine bleach solution, and iodine (see Figure 3).

Combined with antioxidant vitamins and botanical extracts found in Wysong Oxherphol™, Citrox is also an excellent food preservative. Recent tests have shown it to be as effective as methylparaben, a commonly used preservative, to quickly reduce the concentration of microorganisms during a microbial insult challenge to test preservatives.

Independent tests have shown that Citrox's ingredients are non-toxic. Lab results indicate that it would take at least 4,000 times the normal oral dose to produce a 50% chance of poisoning. Citrox is all natural and completely biodegradable. Soil tests have shown complete degradation after eight weeks.

Citrox is designed to enhance and complement the lifestyle and dietary guidelines in the Wysong Optimal Health Program™ (see Optimal Health pages 1-2). When taken alone orally, it will exert benefit, but these benefits will be greatly enhanced by the synergy of using it in conjunction with the Optimal Health Program.

Sources of Parasitic Infections

- Infected food handlers
- Municipal and rural water supplies
- Day care centers (passing between children)
- Household pets
- Foods eaten raw, such as sushi or steak tartare
- Tourists and armed forces personnel returning from overseas
- Sexual contact with multiple partners
- Use of antibiotics and drugs that suppress the immune system

Figure 2.

Effectiveness of Antimicrobials

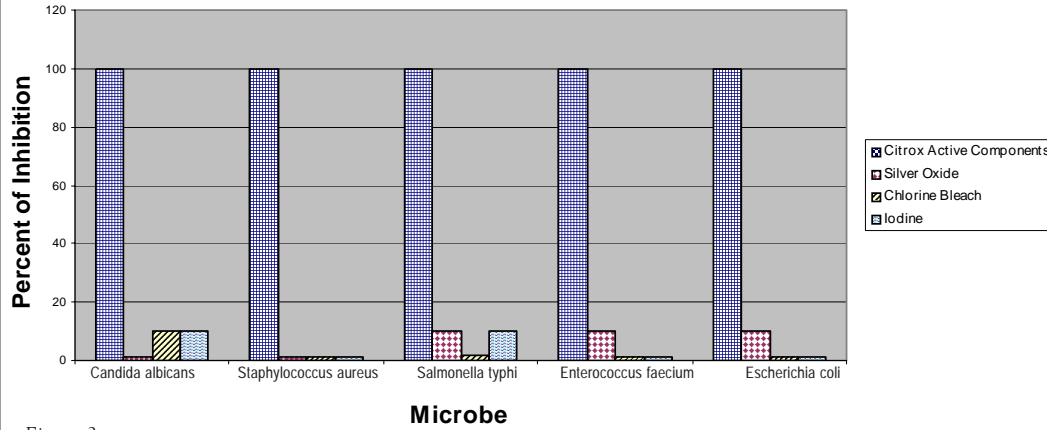


Figure 3.

Citrox should not be viewed as a pharmaceutical with which immediate powerful results may occur (often with a trade-off of powerfully dangerous side effects). Problems that may have developed in the body over time cannot be expected to be resolved in a day or two. Restoring healthy balances in the body takes time. Patience and commitment to an ideal of safe and natural nutrition are critical to long-term results.

Citrox is carefully designed to be safe. However, intolerance to any food or topical item, regardless of how natural it may be, can occur. Directions should be followed carefully. Please see next page for complete list of uses and directions.

These statements have not been evaluated by the Food and Drug Administration. This product is not intended to diagnose, treat, cure, or prevent any disease.

How To Use Citrox

*Due to high acidity content, Citrox should not be used for these purposes without being diluted.

Use	Directions
Oral Use* (Immune stimulant during times of infection, intestinal problems caused by parasites or contaminated food, dental rinse, throat gargle, etc.)	<i>Adults:</i> 2-5 drops mixed with 5 oz. of water (or juice if not for dental rinse or gargle), 2-3 times daily. <i>Children under 10 yrs.:</i> 1-3 drops mixed with 5 oz. water (or juice if not for dental rinse or gargle), 2-3 times daily.
Ear Rinse*	Mix 1-3 drops with 1 oz. glycerin or alcohol. Apply 1-2 drops of mixture in affected ear as needed.
Nasal Rinse*	Mix 1 drop with 6 oz. of water. Tilt head back, fill each nostril with an eyedropper full of mixture; allow passing into nasal passages. Return head to normal position and allow nostrils to drain. Do not inhale.
Facial Cleanser*	Moisten face with tepid water. With wet hands, apply 1-2 drops to fingertips and massage face. Rinse thoroughly and dry. Tingling may occur.
First-Aid Skin Rinse*	Mix 1-3 drops per tablespoon of water. Apply to affected area, let sit 5-10 minutes, then wipe or rinse with water. Perform twice daily.
Nail Treatment* (Helpful for fungal problems.)	Mix 1-3 drops per tablespoon of water. Apply to affected nail, let sit 5-10 minutes, then wipe or rinse with water. Perform twice daily.
Scalp Treatment*	Mix 2-4 drops into amount of shampoo normally used. Massage into scalp and leave for 2 minutes. Rinse thoroughly. May be used without shampoo.
Pets and Farm Animals*	Can be used orally or as a first-aid rinse following same directions as above for all animals, birds, and reptiles. May also be added to pet shampoos, etc.
All-Purpose Cleaner (Great for counters and cutting boards.)	Fill a 32-oz. pump sprayer with water. Add 10-20 drops of Citrox and mix. Spray surface. Allow to sit for 5-10 minutes. Wipe with wet cloth.
Raw Vegetable, Fruit, or Meat Disinfectant	Add 20 drops to a sink full of cold water. Soak meat or produce for 5-10 minutes. Rinse if desired.
Cleaning Additive	Add 10 drops to dishwasher. Add 20-40 drops per load of laundry. Add 40 drops per gallon of mop water.
Agriculture	Add 10 drops per gallon of water. Add to fertilizers or livestock feed.
Cosmetics/Soap Making	Use a 0.5-1% solution to improve shelf-life.
Water Treatment	For emergencies add 5-15 drops per gallon (depends on quality and storage time).

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