

LOUSEBUSTER™



FDA CLEARED

CE-MARKED

THE NEW STANDARD OF CARE FOR TREATING HEAD LICE

ABOUT LOUSEBUSTER™

The LouseBuster™ device provides a revolutionary new way to kill head lice without using pesticides or other chemicals. Clinical studies have shown that the device, which uses only controlled heated air, provides a very safe, fast and highly effective way to kill all stages of head lice – including lice eggs!

HOW IT WORKS

The clinically-tested LouseBuster™ device is intended for use to kill or remove lice and lice eggs in the head hair of adults and children 4 years of age and older. It delivers carefully controlled heated air directly to dry, untangled hair that is free of hair treatment products, at a temperature cooler than most hair-dryers and at a much higher flow rate. A unique, single-use applicator tip specially designed to penetrate beyond the insulating layer of hair is used to lift the hair slightly while directing airflow right onto lice and eggs which tend to be located near the scalp and hair roots. A specific, timed treatment pattern is followed to ensure all areas of the head are treated. No pesticides or other chemicals are used in the therapy; just heated air.

The LouseBuster™ device is highly effective because the small size and shape of head lice and their eggs make it difficult for them to conserve water. As such, when they are exposed to the right amount of heated air at the right temperature and for the right length of time, they dry out and die.

BENEFITS

The LouseBuster™ treatment provides a safe and fast treatment that is highly effective at not only killing live lice, but also their eggs, thus making it a smart choice when dealing with head lice.

SAFE

Almost all prescription and over-the-counter medications sold today for treating head lice contain pesticides or other chemicals, many of which have the potential to cause irritating skin reactions or other harmful side effects. Unlike these products, the LouseBuster™ device uses only controlled, heated air, so it is very safe – even when used to treat people with asthma and those who have previously experienced side effects from other head lice treatment products.

The LouseBuster™ device and its fundamental technology have been studied in controlled, IRB-approved clinical studies on over 500 people with head lice and, when used as directed, have been demonstrated to be safe for both the operator and the client with no reports of adverse events. Because the device uses heated air, however, there is a slight possibility of scalp burn if the device is not used correctly. This risk has been minimized by numerous built-in safety features that assure that delivered air is controlled at a well-tolerated temperature and by requiring that the device is only used by LouseBuster Certified Operators™ on clients who don't have conditions contraindicating device use. In addition, a new, single-use applicator tip is used for every treatment to assure client cleanliness.

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HIGHLY EFFECTIVE

Head lice are rapidly evolving resistance to many traditional pesticide-based control methods which have never been able to kill eggs (nits) effectively and usually require repeated treatments. Based on clinical study data, the LouseBuster™ device kills or removes over 95% of head lice and eggs in one single treatment. Overall, greater than 99% of the eggs on people treated with the LouseBuster™ device are dead following treatment.

The type or length of hair does not impact effectiveness as long as the hair can be combed or picked through with a standard comb. Dead and living lice and eggs may remain in the hair after treatment. So, for cosmetic reasons, and to help assure that all lice and eggs are removed, Larada Sciences recommends that clients either receive or perform a complete comb-out with a fine-tooth louse comb after treatment.

FAST

One, single 30-minute LouseBuster™ treatment is all that is needed to kill head lice and eggs. The clean, dry treatment uses only controlled heated air. No water. No gooeey mess. The LouseBuster™ treatment can be performed on site, at the moment when the infestation is discovered. The LouseBuster™ treatment can minimize or even eliminate school and workplace absenteeism since a child can be returned to school right after the treatment. Please check relevant school policy.

PRODUCT DESCRIPTION

The LouseBuster™ device is a durable, portable medical device. It measures about 14 in wide x 19 in long x 12 in tall (35 cm x 48 cm x 30 cm) and weighs less than 17 pounds (7.7 kg). It has wheels for good maneuverability and is designed to rest on the floor during use. A 6-1/2 ft (2m) removable hose delivers heated air from the LouseBuster™ device to a single-use, disposable applicator tip. The device runs on electricity from any standard power outlet (120V/15A; 240V/10A). A precise temperature controller and dual sensors ensure that the temperature and flow rate of air delivered by the LouseBuster™ device are monitored and precisely controlled.

LOUSEBUSTER CERTIFIED OPERATORS™

The LouseBuster™ device is relatively easy to use, but there is some learned technique involved to ensure that the treatment is delivered as safely and as effectively as possible. This is why Larada Sciences requires that every operator of the LouseBuster™ device receives specialized training and passes a competency exam before they can be certified to deliver treatments as a LouseBuster Certified Operator™.

AVAILABILITY

The LouseBuster™ device will be sold primarily to professionals for use in schools, clinics, and other places where lice are commonly diagnosed or treated. It will also be sold to trained and certified lice treatment service providers who will provide mobile or salon-based treatments.



The LouseBuster™ technology is based on breakthrough research conducted by evolutionary parasitologist Dr. Dale Clayton and students at the University of Utah. This research was published in November, 2006, in the peer-reviewed journal *Pediatrics*, which can be viewed here: <http://pediatrics.aappublications.org/cgi/content/full/118/5/1962>
A second publication of clinical data is expected in the near future.

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