



Kuhn All Copper Mesh Inserts
Kuhn Copper Solutions, Seminole, FL

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The Kuhn All Copper Insert (KCI) (Fig 1) instantly converts a mask or gaiter into a germ-destroying mask. The KCI is a pure 99.95% copper mesh that purifies and filters the air you breath. The Insert is reusable and self-disinfecting. Dependent on usage, proper cleaning and storage, the insert can last two years. Totally unique, the KCM deposits miniscule amounts of copper into the nostrils.¹ Published reports have proven that copper destroys most corona viruses, flu, other respiratory viruses, and bacteria on contact. (1.) Copper is also an anti-inflammatory. Users say the Insert and/or Kuhn Copper Mask may be helpful for protection from colds, pollen allergies, and red tide. * See Kuhncoppersolutions.org Comment section.



Fig 1. Surgical Mask reinforced with Kuhn All Copper Insert

IMPORTANT: Read all enclosed directions before use. Use of a KCI does not eliminate the possibility of contracting diseases. The use of the KCI is not a substitute for good hygienic practices, social distancing 6 ft away from next person, careful cleaning, proper handwashing techniques, immunizations, antiviral drugs, or antibiotics. Corona virus, cold, flu, respiratory, other viral infections, other infections, or allergy symptoms may develop, regardless of precautions taken.

PACKAGE CONTENTS:

- Instructions
- Two copper mesh Inserts
- Small blue desiccant pack, drying agent (Intertek)
- Four clips secured to inserts and one 1-inch square copper mesh patch for allergy or sensitivity testing (See Precautions)



MATERIALS: The KCI is 99.95% pure copper mesh. The top edge is lined with moleskin. The sides are folded for comfort.

INSTRUCTIONS: Adult size 2.75" x 2.75" for use by adults; child size 2.25" x 2.25" for use by children more than 8 years old. (Suggest limit child's wear to 2-3 hrs.) The KCI is reusable by a single wearer, unless sterilized. (See below) Place a mask front side down on a clean flat surface. **Tear off the white strip on the upper edge of the KCI to expose the adhesive.** Position the adhesive edge on the back of the mask just below the nose wire. Press the adhesive into the mask. The KCI will adhere to the mask. Once the KCI is secured, lift the mask and place the ear loops over your ears, centering the mask on your face. The KCI is now on the inside of the mask, facing the nose. (Fig 1) Press the top of the mask over the bridge of your nose. Extend the bottom of the mask under your chin. After several uses in different masks, the mole skin will lose adhesiveness. **Use the plastic clips to secure the KCI to upper edge of the surgical mask. For cone shaped masks, secure two inserts on the upper edge on either side of the fold.** Men with beards may experience pinching as whiskers catch on the mesh. If problematic, shave before use.

RECOMMENDED USES: When breathing purified and filtered air is important. Protect yourself and protect others. Careful use only when needed will help ensure that copper will remain effective for many years.

Hospital personnel. If exposed to blood or bodily fluids, a KCI beneath surgical mask (ASTM 2 or 3) or equivalent is recommended.	General population during flu season School children older than 8 years old
First Responders	General population during red tide exposure,
Infection Control Practitioners	Travelers (plane, train, bus, cruise)
Health Care Workers	People with pollen allergies
Dentists and dental staff	Patients visiting a doctor's office

PRECAUTIONS:

- Not to be used in persons with allergy, sensitivity, or toxicity to copper or metal allergy of any kind. If uncertain regarding allergy or sensitivity, secure the small copper patch with hypoallergenic tape to a site under upper part of arm for 24 hrs. Remove and inspect the site for redness or any irritation. If redness or irritation is present, discontinue use immediately. Return the KMI for a full refund.
- Not to be used by persons with Wilson's disease, a genetic disorder causing copper to accumulate in the body. People with fibromyalgia, a disorder causing chronic musculoskeletal pain, or related conditions, such as chronic fatigue syndrome, should consult a doctor before use.
- **Not to be used in children less than eight years old, infants, or in pregnant or breast-feeding women.** Safety and effectiveness have not been determined in these populations. The body has a natural mechanism for maintaining copper levels; however, children under one have not developed this mechanism.

COPPER SAFETY: Copper occurs naturally in foods and is needed to maintain human health. The body eliminates excess copper through the bile. Allergy, sensitivity, or irritation to copper are rare. The miniscule amount of copper deposited in the nostrils by the KCI was three orders of magnitude lower than the amount of copper dust that would need to be inhaled to cause an adverse effect, i.e. est. 2 ppm vs 994 parts per million. "...copper may have noxious effects only following...chronic oral ingestion in food or water that supplies the organism with more than 5 mg/kg of copper per day." JJ Hostýnek, H I Maibach, editors. *Copper and the Skin. Informa Healthcare, NY and London. P57. 73:2006.*

CLEANING PROCEDURE. Before each use, visually inspect the KCI for tears, tarnish, or soiling

Tarnish Removal: Copper will tarnish when exposed to water and air. Though tarnishing does not affect the virucidal (virus destroying) properties, removing tarnish when it first appears is easiest. If visibly discolored, soak the KCI in ½ cup lime or lemon juice and ½ cup strong vinegar for two to four (2-4) hours or until the tarnish disappears. (Lime juice is slightly more acidic than lemon juice, or vinegar and works better at removing discoloration.) Rinse well with water, then with rubbing (70% isopropyl+ alcohol. Place KCI between two sheets of absorbent paper toweling and press until no more water is visible on the toweling. Dry thoroughly. If the tarnish is in a small spot, wet a cotton swab with lemon or lime juice, and rub on the discolored spot until the spot disappears. Rinse with water and alcohol, dry thoroughly. Store as instructed in Storage instructions.

Organic material removal: If visibly soiled with organic material, ie, from a sneeze, rinse the KCI in hot water, and scrub both sides with a new toothbrush until clean. Rinse again in hot water, then rinse in rubbing alcohol. Dry thoroughly as above. If the KCI is still visibly soiled, repeat the procedure. If the KCI remains visibly soiled, corroded, pitted, or torn, the KCI should be discarded in regular trash and reordered.

Disinfection/Sterilization: Disinfection means most microbes are killed; sterilization, all microbes are killed. Although the KCI will self-disinfect within minutes, the KCI can be immediately disinfected by rinsing or dipping in rubbing alcohol. Do not soak the KCI in alcohol for more than one minute as moleskin may peel off. Because of its self-disinfecting properties, the KCI does not harbor germs. The KCI can be sterilized by ethylene oxide or steam autoclaving (high temp, steam, and pressure). Once sterilized, it can be used by another person. Remove organic material, eg, from a sneeze, before autoclaving or disinfecting.

SHELF LIFE/EXPIRATION DATE: **Two (2) years.** Though the cidal (destroying) activity of copper is permanent, the KCI can corrode or become pitted on exposure to water and air. It can tear if folded sharply. If the KCI is compromised (eg, torn or pitted), or the KCI is soiled to the extent that it cannot be cleaned, the KCI should be discarded in regular trash and reordered.

STORAGE INSTRUCTIONS: Store in a dry place at room temperature in a sealable clear plastic bag along with the blue desiccant (drying agent). If the desiccant turns pink from the presence of water, reactivate it by microwaving on low power 30 sec to 2 min or baking it in convection oven for 2-3 hr at 200° F

IMPORTANT: **Never put the metal KCI in a microwave. This is a potential fire hazard.**

CONTACT US: Research studies and new information are continually updated on the web site, Kuhncoppersolutions.org. For questions, comments, reporting adverse events, contact Kuhn Copper Solutions, LLC, at PKuhnphd@aol.com.

MONEY BACK GUARANTEE: If you are not completely satisfied with your purchase, you may return it within four weeks of receipt for a full refund or replacement. *Disclaimer This product is not proven to prevent, diagnose, treat, or cure any disease and has not been evaluated by the FDA. Further research is needed.

Made in the USA for Kuhn Copper Solutions, Inc., Seminole, FL.
For complete instructions, user comments, scientific articles, FAQs, visit www.Kuhncoppersolutions.org.
Manufactured by 3FDM, Largo, Florida
Patents Pending