

## user instructions

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### **NAIL HOMOGENIZER**

099C E2000

All of the parts in the Glas-Col Homogenizer are stainless steel and will not rust. The Homogenizer may be autoclaved (wet or dry), boiled or washed with any detergent.

### **OPERATION**

To operate the Homogenizer, place a small specimen in the lower holder on the grinding surface. Press the two holders together, (grinding surfaces facing each other) and rotate them in opposite directions, about a half turn, several times. Separate the holders and remove the specimen.

### **MAINTENANCE**

The Homogenizer has been adjusted at the factory for clearance of .004" between the grinding inserts. This clearance has been found most effective for grinding nail clippings. The clearance can easily be changed if necessary. When adjusting the clearance, only the upper insert holder should be adjusted. The bottom of the insert in the bottom holder should always remain flush with the bottom of the holder. Adjustment is made by loosening the setscrew in the upper holder, adjusting the insert to the desired height and tightening the setscrew.

To reset clearance to .004" be sure the bottom insert is flush with the bottom of the bottom holder and the setscrew is tight. Place a small piece of bond paper on the lower grinding surface to use as a gauge. With the upper insert loose in the holder, place the holders together with the paper between the grinding surfaces and tighten the upper insert setscrew. Bond paper is very close to .004" thick and readily available to use as a gauge.

To change inserts loosen the setscrews in the holders and let the inserts fall into your hand. Do not force them out with a tool or hit them with a hard object which could cause a dent or a small burr. Install the new set of sterilized inserts as described in the paragraph above.



If a setscrew is lost it should be replaced with a stainless steel ¼-20 x 3/8” cup point. Using anything else could rust and cause sample contamination and freeze the insert preventing removal.

### **REPLACEMENT PARTS**

SET OF GRINDING INSERTS	R36 378
REPLACEMENT SET SCREW (EACH)	R88 303

### **LIMITED WARRANTY**

Glas-Col warrants products of its manufacture to be free from defects in material and workmanship for one year and agrees to repair and or replace without charge any products found defective upon examination at the factory. With proper care and operation, Glas-Col products will give long and efficient service. Overloading and general misuse will greatly reduce the service life. Glas-Col is not responsible for damage to apparatus due to improper installation or through attempts to operate apparatus beyond its rated capacity, intentional or otherwise. Normally expendable parts are not covered by this warranty.

### **LIMITATION OF WARRANTIES**

APART FROM SUCH WRITTEN WARRANTIES, THERE ARE NO WARRANTIES, EXPRESSED, IMPLIED, OR STATUTORY WHICH EXTEND BEYOND THE DESCRIPTION OF THE PRODUCTS ON THE FACE HEREOF.

Glas-Col products are intended only for legal and legitimate purposes in commercial laboratory and industrial settings.

Glas-Col reserves the right to make product refinements without prior notice.

#### **Returns:**

For returns, call or fax Customer Service for a Return Goods Authorization (RGA) number before returning a product.

Reference the RGA number on the shipping box along with a written description of the problem.

A 20% restocking charge applies for current models of standard products returned for stock upon receiving inspection.

#### **Glas-Col, LLC**

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