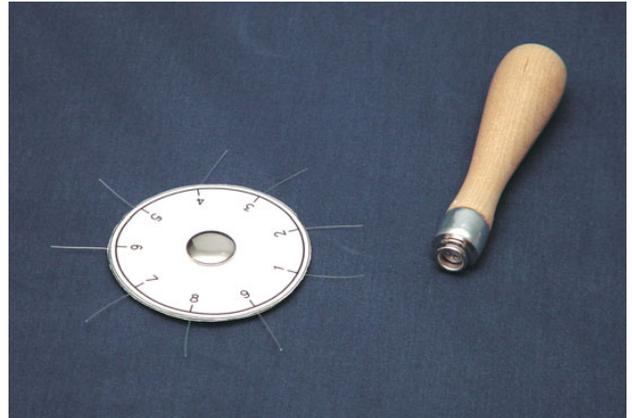


VON FREY AESTHESIOMETER USER INSTRUCTIONS

DESCRIPTION:

The Von Frey Aesthesiometer consists of a disk snapped to the handle from which nine graduated nylon bristles extend. Use of this small but reliable aesthesiometer provides a quick and convenient way to establish relative sensitivity in different regions of the skin.



SAMPLE EXPERIMENT:

Problem

Determine the relative sensitivity of selected areas of the skin.

Material & Apparatus

Von Frey-type aesthesiometer, blindfold (Lafayette's #33010 blindfold goggle or similar), paper and pencil.

Procedure

Blindfold Subject (S). Apply the bristle of the aesthesiometer to 8 areas of the skin in the following manner: press bristle #1 against skin until it flexes *slightly*. Maintain this slight flex and ask if S can feel the bristle; if S cannot, apply bristle #2 and so on until S reports feeling bristle. Apply the next larger bristle and then repeat the above procedure in the reverse direction until S reports that he can no longer feel the bristle. Be sure to record the number of the first and last bristle felt each time. This ascending and descending test procedure should be repeated three times for each bristle at each of the eight sites. Suggested sites: volar pad of index finger, back of hand, top of forearm (area with hair), underside of forearm (area without hair), lips, cheek, back of neck and calf of leg.

Results

Construct a table listing the eight areas of the skin tested. Beside each area listed, present the mean ascending threshold, mean descending threshold and combined mean threshold.

Discussion

What areas of the skin are most sensitive and which are least sensitive? What biological significance can you associate with the relative sensitivity of different areas of the skin? How is the differential touch sensitivity of various parts of the skin associated with behavior?

Lafayette Instrument Von Frey Aesthesiometer

Model 16013 User's Manual

Ordering Information:

All phone orders must be accompanied by a hard copy of your order. All must include the following information:

- 1) Complete billing and shipping addresses
- 2) Name and department of end user
- 3) Model number and description of desired item(s)
- 4) Quantity of each item desired
- 5) Purchase order number or method of payment
- 6) Telephone number

DOMESTIC TERMS

There is a \$50 minimum order. Open accounts can be extended to most recognized educational institutions, hospitals and government agencies. Net amount due 30 days from the date of shipment. Enclose payment with the order; charge with VISA, MasterCard; or pay COD. We must have a hard copy of your order by mail or fax. Students, individuals and private companies may call for a credit application.

INTERNATIONAL PAYMENT INFORMATION

There is a \$50 minimum order. Payment must be made in advance by: draft drawn on a major US bank; wire transfer to our account; charge with VISA, MasterCard; or confirmed irrevocable letter of credit. Proforma invoices will be provided upon request.

RETURNS

Equipment may not be returned without first receiving a Return Goods Authorization Number (RGA).

When returning equipment for service, please call Lafayette Instrument to receive a RGA number. Your RGA number will be good for 30 days. Address the shipment to: Lafayette Instrument Company, 3700 Sagamore Parkway North, Lafayette, IN 47904, U.S.A. Shipments cannot be received at the PO Box. The items should be packed well, insured for full

value, and returned along with a cover letter explaining the malfunction. Please also state the name of the Lafayette Instrument representative authorizing the return. An estimate of repair will be given prior to completion ONLY if requested in your enclosed cover letter. We must have a hard copy of your purchase order by mail or fax, or repair work cannot commence.

WARRANTY

Lafayette Instrument guarantees its equipment against all defects in materials and workmanship to the ORIGINAL PURCHASER for a period of one (1) year from the date of shipment, unless otherwise stated. During this period, Lafayette Instrument will repair or replace, at its option, any equipment found to be defective in materials or workmanship. If a problem arises, please contact our office for prior authorization before returning the item. This warranty does not extend to damaged equipment resulting from alteration, misuse, negligence or abuse, normal wear or accident. In no event shall Lafayette Instrument be liable for incidental or consequential damages. There are no implied warranties or merchantability of fitness for a particular use, or of any other nature. Warranty period for repairs or used equipment purchased from Lafayette Instrument is 90 days.

DAMAGED GOODS

Damaged equipment should not be returned to Lafayette Instrument prior to thorough inspection.

When a shipment arrives damaged, note damage on delivery bill and have the driver sign it to acknowledge the damage. Contact the delivery service, and they will file an insurance claim. When damage is not detected at the time of delivery, contact the carrier and request an inspection within 10 days of the original delivery. Please call the Lafayette Instrument Customer Service Department for a return authorization for repair or replacement of the damaged merchandise.



3700 Sagamore Parkway North
P.O. Box 5729 • Lafayette, IN 47903 USA
Tel: 765.423.1505 • 800.428.7545
Fax: 765.423.4111
E-mail: lic@lafayetteinstrument.com
www.lafayetteinstrument.com

Lafayette Instrument Co. Europe

4 Park Road, Sibley,
Loughborough, Leics., LE12 7TJ. UK.
Tel: +44 (0)1509 817700
Fax: +44 (0)1509 817701
E-mail: EUsales@lafayetteinstrument.com