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Book Descriptions:

3m electronic pipettor ii manual

Selfcalibrating, microprocessorbased system reduces the possibility of human error and instrument contamination by controlling pipetting speed, calibration, and volume selection. Helps reduce the risk of repetitive strain injuries that are frequent with manual pipetting. Has over 1000 cycles when fully charged. How We are a singlesource food, dairy and beverage plant supplier with a diverse product line, so you can findWe represent over 850 manufacturers, so you only have one vendor to contact—us. Youll appreciate ourGive us a try—youll be glad you did. When combined with the cost efficiency and laborsaving technology of 3M Petrifilm Plates, this complete solution enhances productivity, reduces labor and testing costs, and improves reliability. The microprocessorbased system reduces the possibility of human error and instrument contamination by controlling pipetting speed, calibration and volume selection. Its lightweight and ergonomic controls take the effort out of pipetting. INCLUDED ARE3M Unit, Base Charger, AC Adapter and Manual ONLY COMMENTSThis unit is in excellent condition and in working order. Came from the QA Lab of a Fortune 500 meat processing company that closed one of its locations. Comes with charger, base and manual. Item will be shipped within 48 hours upon payment through Paypal. Will ship to Canada, United States and select countries. You are the light of the world. In air displacement pipettes, a certain volume of air remains between the piston and the liquid. In positive displacement pipettes, the piston is in direct contact with the liquid. This creates a partial vacuum and the specified volume of liquid is aspiratedThe figure below shows the change in volume when the liquid has a different temperature than the pipette and air. If the temperature of the liquid, pipette and air is the same, the accuracy is not significantly affected.<http://gainliving.com/upload/editor/combate-contra-incendios-manual.xml>

- **3m electronic pipettor ii manual, 3m electronic pipettor ii 5ml manual, 3m electronic pipettor ii 1 ml manual, 3m electronic pipettor manual, 3m electronic pipettor ii manual download, 3m electronic pipettor ii manual instructions, 3m electronic pipettor ii manual free, 3m electronic pipettor ii manual diagram, 3m electronic pipettor ii manual software, 3m electronic pipettor ii manual system, 3m electronic pipettor ii manual review, 3m electronic pipettor ii manual downloads, 3m electronic pipettor ii user s manual.**

The density varies according to theThe air pressureThe boiling point of some liquids can also change to quite close to room temperature, increasing the evaporation loss dramatically. The microsyringe tips used in positive displacement pipettes are disposable. This helps to avoid sampletosample crosscontamination also known as sample carryover, and contamination due to the aerosol effect. This causesThey should not be cleaned for reuse as theirLiquid mightPipette stands are ideal for this purpose. If used daily, a threemonth interval isRemove the tip from the vessel,This volume is equal to the set volume.Some liquid will remain in the tip, and thisCan only be used with electronic and repeator pipettes. Hold the button in this position. Some liquid will remainThis action will fillRepeat thisCarbon filter tips prevent vapors from going into the Pipette. Reverse pipetting should be used if high accuracy is needed. Wipe the tip against the edge of the vessel to remove excess liquid outside the tip before dispensing. Reverse pipetting should be used if high accuracy is needed. Wipe the tip against the edge of the vessel to remove excess liquid outside the tip before dispensing. Filling must be done very slowly to prevent air bubbles. Wipe the tip against the edge of the vessel to remove excess liquid outside the tip before dispensing. The use of a positive displacement pipette and tip is also useful for pipetting glycerol. In any case pipetting will not be accurate; some liquid will stay inside the tip. Aspiration and dispensing should be done slowly. The use of a positive displacement

pipette and tip is also advisable for pipetting Tween 20. Prewetting of the tip before aspiration increases accuracy. Do the pipetting quite rapidly to minimize vapor formation. If you use air displacement pipettes, aspirate and dispense the liquid a few times keeping the tip in the liquid. By doing so, the air inside the pipette will be saturated with vapor of the volatile compound.

2. <http://plashogar.com/userfiles/combato-manual.xml>

Pipette rapidly to avoid evaporation when using air displacement pipettes. 3. It is recommended to use positive displacement pipettes for highly volatile compounds, since the builtin piston tip is in direct contact with the liquid. Prevention Prevention Prevention The Pipette and the Tip form a System. The best Pipetting results are naturally achieved by those manufactured together to ensure complete compatibility between Pipettors and Pipettor Tip. Many of the cheap tips may have flashes, protrusions, and scratches, air bubbles, be bent or contain impurities. All these influence Pipetting results. For example, if the tip is not straight this alone may result in a 10% error in Pipetting accuracy ISO 86552. Moreover, if the tip orifice is not accurately centered, the dispensing of the liquid might be affected significantly. If premium grade pure polypropylene is not used or the mold and processing are not up to the highest standards, part of the liquid stays inside the tip as a droplet, which causes an error in the Pipetting result. Adjustment means altering the pipette During factory calibration, performance is checked with different weighings at both the maximum volumes of the range and at the minimum or 10% of the maximum volume, whichever is higher. When you purchase a Pipette, you should choose one that is designed to permit recalibration and adjustment for different temperatures and various viscous liquids. Very often error limits are taken However, if the laboratory work requires the highest accuracy, the manufacturers limits should be used. Basically every user should define their own limits, according to the application used and the ambient conditions. The test water is Relative humidity is recommended to be above 45%. Especially with volumes under 50 μ l, the air humidity should be as high as possible to reduce the evaporation loss effect.

If used daily, a threemonth interval is Customer will be advised if the damage is Repairable and what additional cost will be charged. Customer will issue a new Work Order to cover the cost of Repair. Customer will have opportunity to locate any missing quantities, or Work Order will need to be revised and revision signed by Customer. If this is a New Customer, a Customer information file will be started. Ten tests performed at each point. Pipette is again visually checked for proper functionality. If Pipette fails, appropriate Calibration adjustments are performed. After corrections, each instrument will be Calibrated at the lowest and highest range points with 10 tests at each test point. Appropriate technicians sign reports. If the calculated results are within the limits given in the Instructions for use booklet, the pipette calibration is correct. If not, the pipette has to be adjusted with the lower volume and checked again. Use in saturated air. Change technique. Change technique. Prewet tip. Immerse 23mm. Keep vertical. Change technique. Pipette liquids at room temp. To determine mass loss, dispense water into the weighing vessel, note the reading and begin timing with a Typically, the pipetting time might be 5 seconds and the mass loss up to 2 mg. If an evaporation trap or lid on the vessel is used, an evaporation correction is unnecessary. See the conversion Table 1 on page 15. It is expressed as standard In addition to the features of the pipette, For multichannel pipettes, these limits are doubled. With variable volume pipettes, the nominal volume is the maximum volume. The absolute μ l limit of the nominal volume applies to every selected volume throughout the volume range. If the nominal volume of the pipette is between those in the table, the relative error limit F% of the nearest volume is used. If the nominal volume is exactly between the two volumes in Table 2, the relative error limit F% of the lower volume is used.

<http://www.drupalitalia.org/node/67675>

A number of factors can Immediately after autoclaving. It is also important to note that certain parts of a pipette for instance the piston and the handle cannot be autoclaved without altering accuracy

and precision Both types of pipettes have a piston that moves in a cylinder, or capillary. In air displacement pipettes, a specified volume of air remains between the piston and the tip. This keeps air from entering the tip, preventing contamination effectively. An alternative to this is to use a positive displacement. By doing so, the air inside the pipette will be saturated. It is recommended using positive displacement. With warm liquids, you will get a smaller mass with a certain volume, with cold liquids, San Diego, CA 92121. By using our services, you agree to our use of cookies. For the best chance of winning, increase your maximum bid. Please check your email account for more details. You can contact the auctioneer on 415.522.5700 for more information. We have thousands of new lots everyday, start a new search. Please register now so you are approved to bid when auction starts. We will be updating our website to identify what items will be offered under this contingency. RABIN reserves the right to modify these Sale Terms at any time and any such modification shall become part of these Sale Terms. By registering at the auction online, the Buyer agrees that it has read and fully understands these Sale Terms and agrees to be bound by these Sale Terms. Payment is due and payable in cash, by cashier's check, wire transfer, company check, VISA, MasterCard, or American Express credit card payable to Rabin Worldwide. Buyer shall pay RABIN a late penalty on all amounts over 30 days past due computed at the greater of i 18% per annum, and ii the maximum rate permitted by applicable California law.

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event Buyer fails to remove the Purchased Items on or before the Removal Deadline, RABIN shall have the right to foreclose its security interest in the Purchased Items by a public or private sale in accordance with applicable law. In addition, in the event any one or more of the following shall occur, any and all obligations of RABIN hereunder, including without limitation, any obligations to Buyer in respect of the Purchased Items shall immediately terminate and without further action by RABIN a Buyer files a voluntary petition in bankruptcy or a bankruptcy petition is filed against Buyer; b Buyer becomes insolvent or makes an assignment for the benefit of its creditors; or c Buyer discontinues its business or a receiver is appointed for Buyer or its business.

Buyer acknowledges that these Sale Terms, the Invoice, the RRIA along with COI, a bill of sale, if applicable, and all attachments and exhibits hereto and thereto, a are the only terms and conditions of sale for the Purchased Items, b are intended by the parties as a complete and exclusive statement of the terms of their agreement in respect of the Purchased Items, and c supersede all prior agreements, written or oral in respect of the auction and Purchased Items, except for any and all announcements made by the auctioneer on the day of the auction concerning the Sale Terms, which Buyer acknowledges and agrees to be bound. Any variation from the terms hereof contained in the Buyer's acceptance of the Purchased Items is hereby rejected. To register for any online auction conducted by bidspotter.com, bidders must complete the registration information required on the bidspotter.com website. RABIN reserves the right to request a deposit in an amount to be determined by RABIN warranted by the value of the sale, but in no event greater than 25% of the Purchase Price. If Buyer is the winning bidder for the Purchased Items, any refundable deposit posted shall become nonrefundable and such amount together with the increased deposit set forth in the second sentence of this Section 11, shall be applied toward payment of the Purchase Price and the provisions of Section 1 will control. The bids must be placed online at www.bidspotter.com. All bids will be recorded and synced in real time, with the highest bid price, winning the items. Buyers who bid at the auction online using bidspotter.com shall do so at their own risk. RABIN cannot guarantee the transmission of online bids when situations or circumstances beyond RABIN's control interfere with the normal operation of bidspotter.com. RABIN has no responsibility or liability for items lost at auction due to any system malfunction of bidspotter.com. It is the responsibility of the Buyer to follow instructions of bidspotter.

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Buyer shall be responsible for and pay all expenses, losses and damages that may arise from the removal and transportation of the Purchased Items from the Real Property, and all losses, damages, debts and liabilities incurred by Buyer in connection with Buyer's purchase and removal of the Purchased Items and all other expenses relating or incidental thereto. Neither RABIN nor the Owner shall be liable for any fault or defect in any lots. RABIN shall not be held liable for any inaccurate, incomplete or incorrect description, of any items or lots upon which Buyer will be bidding, or in any media pertaining to the auction, whether in a catalog, advertisement, website listing, or otherwise. Descriptions of items are prepared FOR GUIDE PURPOSES ONLY and shall not be relied upon by the Buyer for accuracy or completeness. We will be updating our website to identify what items will be offered under this contingency. RABIN reserves the right to modify these Sale Terms at any time and any such modification shall become part of these Sale Terms. By registering at the auction online, the Buyer agrees that it has read and fully understands these Sale Terms and agrees to be bound by these Sale Terms. Payment is due and payable in cash, by cashier's check, wire transfer, company check, VISA, MasterCard, or American Express credit card payable to Rabin Worldwide. Descriptions of items are prepared FOR GUIDE PURPOSES ONLY and shall not be relied upon by the Buyer for accuracy or completeness. Routine analyse is required to safe guard both consumer health and brand reputation. This system measures the amount of adenosine triphosphate ATP on a surface or water sample. It can indicate in less than one minute overall biological contamination including microbiological, human and some process residues. Fast results allow fast corrective actions to avoid system downtime. The 3M range has been designed to support hygiene monitoring processes improving work flow and effectiveness.

Designed to stick to external packing, Your product cant be exposed to freezing temperatures. Please check when you order. This is an important feature for users who need to work within the Class A error limits of glass burettes according to DIN EN ISO 385 or within volumetric tolerance per ASTM E287. Maintenance is easy and convenient, without the need to send it out for repair. To protect lightsensitive media, the installed clear cylinder inspection windows can be easily replaced with the supplied clipon ambercolored windows. All components move within the housing, reducing headroom requirements. The compact design and the light weight ensure good stability. The titrating tube can be adjusted horizontally and vertically. The large handwheels provide smooth, precise control from rapid to dropwise titration. Integral safety discharge system reduces the risk of inadvertent dispensing if discharge tube is improperly mounted or missing. Equipped with a polypropylene discharge tube safety cap to help protect against reagent contact. Safety cap can be easily attached and removed, even when wearing gloves. The dispenser fluid path contains no glass components. When the instrument is used correctly, only the following materials come in contact with dispensed liquids alumina ceramic, ETFE, PFA, FEP, PTFE, and platinumiridium. Caution Never use to dispense hydrofluoric acid from a glass container. Ordering Information Oneyear manufacturer's warranty. Individually removeable tip cones allow easy inlab cleaning and maintenance. Individually removeable tip cones allow easy inlab cleaning and maintenance. Individually removeable tip cones allow easy inlab cleaning and maintenance. Individually removeable tip cones allow easy inlab cleaning and maintenance. When combined with the cost efficiency and laborsaving technology of 3M Petrifilm Plates, this complete solution enhances productivity, reduces labor and testing costs, and improves reliability.

Its lightweight and ergonomic controls take the effort out of pipetting. All of these features not only reduce labor but increase productivity of the lab. This means improved efficiency and overall cost reductions which ultimately impacts and improves the bottom line. This is a common issue in laboratories, caused by the use of universal pipette tips. Such tips require "hammering on" which stretches the shape of the pipette tip rim. The stretched pipette tip rim immediately starts moving

back to its original shape and away from the tip cone. This can cause leaking, misaligned tips and even pipette tips that completely fall off the pipette! GripTips snap into place with minimal tip loading effort, providing a secure connection. GripTips never fall off and are always perfectly aligned, resulting in superior accuracy and precision results. You no longer have to hammer your pipette tips on or worry about pipette tips falling off! As a result, GripTips will never accidentally fall off. It can only be attached up to that point and no further, ensuring that all tips are at the same height. That means that the tip is either on or off, but nothing in between. Instead of repeatedly pushing buttons or twisting fingers to modify volumes, you simply slide your finger over the wheel. The custom program is a stepbased setup queuing liquid handling steps such as aspirate, dispense, mix and more. It saves a lot of time. Watch the video to see how easy it is to use INTEGRA's electronic pipettes for everyday use. To increase the accuracy and precision of the dispenses, a pre and a postdispense can be defined, which are discarded back to the source or waste. The function of this mode is equal to the reverse pipetting technique conducted with manual pipettes. Only as long as the RUN button is pressed, the pipette aspirates or dispenses. The speed and a maximal volume can be set.

This way the diluent chases the concentrated sample during the dispense, ensuring no residual sample remains in the tips. Variable Dispense mode eliminates the need to adjust volumes between each dispense. Neuropore is using our handheld pipettes to accelerate research in both its in vitro and in vivo pharmacology departments. Read more Unfortunately, trying to consistently and accurately aspirate or dispense into these. Read more Or do you run a lab, and are frequently confronted with questions about how to improve pipetting efficiency or how to guarantee reliable results. If so, selecting the right pipette type could. Read more Pipette Calibration is a fundamental. Read more More detailed information can be found in the downloadsection below. Pipette can be used while charging. It can be converted to a charging stand by attaching up to four charging stations and equipping a mains adapter 3216. Pipettor Controls These controls are often referred to in this manual. Speed Key Changes aspiration and dispense speeds Mode Key Shifts to next mode Up Key Increases open volume or speed Down Key Decreases open volume or speed Recall Key Flips back to last mode entered Enter Key Selects mode, speed or volume changes Start Button Triggers all mechanical operations Tip Ejector Lever Squeezed to remove pipette tip ON/OFF SWITCH The On/Off Switch is located at the back of the pipettor. Indications Precautions. The easytouse 3M Electronic Pipettor 5mL is preprogrammed to. Page 3 Page 3 of 15 June 2001. Instructions For Use Instructions For Use. Only use and store the pipettor. Page 4 Page 4 of 15 June 2001. Pipettor Programming Pipettor Programming. The Program Menu Power "ON" Display and Startup. Page 5 Page 5 of 15 June 2001. Pipettor Programming Pipettor ProgrammingPage 6 Page 6 of 15 June 2001. Pipettor Programming Pipettor ProgrammingPage 7 Page 7 of 15 June 2001.

Pipettor Programming Pipettor ProgrammingPipettor Programming Pipettor ProgrammingPage 9 Page 9 of 15 June 2001. Pipettor Programming Pipettor ProgrammingPipettor Programming Pipettor ProgrammingPage 11 Page 11 of 15 June 2001. Troubleshooting TroubleshootingThe 3M Electronic. Page 12 Page 12 of 15 June 2001. Care and Maintenance Care and Maintenance. Care and Maintenance Filter Replacement. The. Page 13 Page 13 of 15 June 2001. Battery Replacement Table 1. If the. Page 14 Page 14 of 15 June 2001. Specifications Pipettor TipsPage 15 Page 15 of 15 June 2001. Limited Warranty. Cell Expression NEW. Gene Expression NEW. It is unexpectedly light and wellbalanced, fitting naturally in either the left or right hand. NOTE Pipettors without AC adapter 7733Q34 through Q38 require a charging stand The LED display and easy tip ejection button are designed for left or right handed use. Users of electronic pipettes want to have the ability to work as fast as on a mechanical pipette, yet benefiting from the functions of an electronic pipette. The DCmotor concept and builtin error control ensures accurate and precise results. Five different and frequently used modes of pipetting are available, including Pipetting, Reverse Pipetting, MultiDispense Pipetting, Diluting and Mixing. Look in section "Rest of the world" and find "PDF

LIBRARY", where you can read or download multilingual information about the 3M Peltor DECTCom II system. Mount one of the three antenna rings on the antenna connector. The indication rings should be used to seal the antenna; green color for portable units, red for base units or black for "discrete" use. NOTICE! The ring should be turned correctly to fit on the screw nut. Screw the antenna tightly on top of the ring. Mount the battery in the battery compartment and close the lid with the screw. Mount the attachment clip on the back of the unit. Turn it to the tagged end down.

In a headset, connected in the headset connector on the unit, a voice confirmation "BASE, POWER ON" is given and the LED light emitting diode is flashing, showing that the base unit is setting up the system. In a headset, connected in the headset connector on the unit, a voice confirmation "POWER ON" is given and the LED on the unit is flashing green, showing that the unit is logging on to the base. Notice All portable units normally start in listen only mode in group 1. At first start up a voice message "SEARCHING" is given. When a base is found a voice message BASE number, GROUP 1" is given. When restarting a portable unit, which is programmed to be able to work with more than one base, it will try to log on to the last used base. A voice confirmation "SEARCHING" is given repeatedly, confirming that the unit is searching for active bases in range. When a base is found a voice confirmation "BASE number, GROUP 1" is given. A tone is confirming that you are a member in the selected conference. 3.4 AUTOTALK A system for maximum 9 users can be programmed in a configuration where all the portables always should be in TALK MODE. Current settings are stored when the unit is switched off. Notice A doublepress in VOLUME mode and LISTEN ONLY mode on a base unit will put the unit in REGISTRATION mode see 2.1.4. Double press in VOLUME mode and LISTEN ONLY mode on a portable unit will put the unit in BASE SELECTION mode see 2.2.6. If this function should always be accessible, the bases have to constantly be in range for instance as fixed mounted bases. A double tone is confirming that the ALLCALL is activated. This can preferably be combined with the automatic talk mode function. See also AUTOTALK above. Notice Many of the functions and settings in DECTCom II can be adjusted according to the user's demands. When the portable unit is out of range from the base unit, a voice message "SIGNAL LOW, OUT OF RANGE is given in the connected headset.

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