

SET-UP INSTRUCTIONS:

WARNING: SET-UP IS SIMPLE BUT YOU WILL WANT TO CAREFULLY REVIEW THE SET-UP INSTRUCTIONS AND OPERATOR'S MANUAL BEFOREHAND.

1. Read Operator's Manual and Quick Set-up Instructions
2. Unpack contents of shipment: Unit containing (4) Pen Cores, Power Supply w/electrical cord, (1) box containing Temperature Indicator, (1) 500ml Reservoir Bottle, 4 sizes of non-sterile tips (2 of each size), (1) Tip Holder (1) Reservoir Tube (1) Reservoir Cap (1) pack of swabs and (1) CryoPen Towel.
3. Locate unit by the nearest 110-240 volt outlet. Plug power supply into the unit and electrical cord into outlet (See Note Below). Fan will automatically come on and red light will illuminate on front of unit. If green light on front of unit is illuminated at this time, place the power switch to the off position. **Unit should not be turned on yet.** Unit must be placed at least 1½ inches away from the wall/counter backsplash to prevent overheating.
Note: We recommend the use of a line surge protector to protect the unit and your investment
WARNING: Do not use an extension cord. Use of extension cords may present potential fire hazard.
4. Fill Reservoir Tube to the line using the supplied Reservoir Solution. Do Not Overfill! Store remaining solution in a cool dry place.
Note: The use of any other solution other than that obtained from CryoPen, Inc. will void your warranty. After the Reservoir tube is filled, remove the (2) pen cores from the Chilling Wells located on top of unit. Using the supplied transfer pipette, fill each well with (1) one pipette full of reservoir solution from the reservoir tube or reservoir bottle.
5. Insert 2 CryoPen® Pen Cores fully into the chilling wells. **Pen Cores should always be dipped into Reservoir Solution before inserting into chilling wells after initial set-up.** Chilling wells reach -105°C to -110°C. Make sure pen cores are properly seated in chilling wells. Failure to do this will result in pen cores not reaching optimal temperature. If a Pen Core is not replaced into a chilling well, freezing of the well will occur and unit defrosting will be necessary.
Note: Never leave chilling wells open.
6. Turn on power switch at left side panel of unit. When unit is turned on a green light will illuminate on front of unit. The unit will be operational in approximately 60 minutes. Unit is designed to remain on unless a problem is encountered or service is needed.
7. After unit has reached the operating temperature, approximately 60 minutes, test the Pen Core temperature readiness using the temperature indicator.

Note: After initial set-up allow warm CryoPen® Pen Cores to chill in chilling wells for approximately 4-5 minutes before re-use. Always check readiness by using the temperature indicator. **Pen Cores should always be dipped into Reservoir Solution before inserting into chilling wells.**

8. To perform cryosurgery
 1. Check temperature readiness of pen core from chilling wells using the Temperature Indicator.
 2. Select appropriate re-usable tip (sizes 3mm, 5mm, 7mm, and 10mm)
 3. From Holding Wells (located on front of unit) remove warm pen core, wipe dry, dip pen into reservoir tube.
DIP NOTE: Pen Cores should always be wiped dry before dipping into reservoir tube. Failure to wipe dry, can contaminate solution and may cause failure of unit.
 4. Remove Pen Core from chilling well. Replace with dipped pen core.
 5. Holding the selected tip in its upright position lower the pen core aligning the two small locking pins with the slots in the tip. Gently rotate clock wise to lock in place. **Caution:** Do not use excessive force. **Caution:** Aluminum tip is now at cryogenic temperatures. Begin procedure immediately. Do Not Touch Tip.
 6. After procedure, remove pen core from tip and place in holding well for defrosting. Place tip in a cold soak sterile fluid such as Cidex™ or autoclave. AutoClave-250-275 degrees F @ 20-30psi for a minimum of 15 minutes to 20 minutes maximum.
 7. Reservoir Tube should be checked daily and filled as needed. (fill to maximum line)
 8. Pen Cores should be rotated at the end of each day. Rotate from holding wells to chilling wells.
(Each holding pen core should be wiped dry and dipped before placing it into a chilling well)
9. If CryoPen® Pen Cores become stuck in chilling wells turn unit OFF and allow unit to defrost. (approximately 8 hours) Wells and pen cores should be wiped dry using the supplied cotton towel and swabs. (See separate Instructions for Maintenance and Power Outage).
10. System is designed to remain on. Turning the unit on and off will cause the pen cores in the chilling wells to defrost causing water contamination to the reservoir solution. Chilling wells have to be cleaned and Quick Set-up procedures will be necessary.

Warning: Pen Cores are extremely cold, accidental contact with skin may cause frostbite.

CryoPen, Inc.
See Operators Manual for full instructions

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