

# CellCeps Plus Heated Forceps System User Manual

GZG-0100-00A

- Control Box with 1mm & 2mm Serrated Jaw Forceps

GZI-0100-00A

- Control Box with 1mm & 2mm Smooth Jaw Forceps





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Dear Customer,

Thank you for purchasing this piece of CellTec laboratory equipment. To get the best performance from your equipment and for your own safety please read these instructions carefully before use.

## General Notes

1. This product is designed for laboratory use only. Always follow good laboratory practice.
2. If this product is not used in accordance with these instructions then basic safety protection may be affected.
3. Only use the plug in power supply unit supplied.
4. Before using any cleaning or decontamination method please refer to the Maintenance and Cleaning section to ensure the proposed method will not damage the unit.
5. Connect only to a power supply with the corresponding voltage to that specified on the power pack.
6. Ensure that the power supply has an earth (ground) terminal.

## Specimen Safety

It is the users responsibility, to ensure that the temperature set on the instrument, is at a level where no damage is caused to diagnostic specimens used with the equipment. In the event of this instrument malfunctioning, all specimens within the device should be checked to ensure no harm or damage to the specimen has been caused.

## Amendments

Issue 6: March 2017

## Symbols



This symbol appears in documents and on equipment to warn the user that there are hot surfaces on the equipment.



This symbol appears in documents and on equipment to warn the user that instructions must be followed to ensure correct or safe operation.

## User Safety

The equipment you have purchased complies with the European Directives EMC Directive and Low Voltage Directive as indicated in the EC Declaration of Conformity included in the document. This instrument has been designed and constructed in a manner which minimises the risk of electrical shock to the operator; offers maximum protection from overheating and provides clear and adequate labelling of instrument controls.

The instrument requires no regular servicing, but CellPath Ltd do recommend an annual inspection, as detailed in the manual which will prolong the life of the instrument to ensure continued safety.



Do not touch any electrical contacts or open any closure plates.  
**RISK OF ELECTRIC SHOCK!!**

### DO NOT:

1. Do not attempt to plug anything into CellCeps+ Heated Forceps control unit except CellPath CellCeps+ Heated Forceps and CellCeps+ Heated Tamperers.
2. Do not attempt to use the CellPath CellCeps+ Control Unit Power Supply if its voltage rating or plug style differs from your local standard. This may cause damage to the Heated Forceps Controller Unit and may result in fire or electric shock!
3. Do not use the CellCeps+ Heated Forceps System near inflammable materials! Vapour in solvents from histology laboratories such as xylene, toluene and industrial denatured alcohol and other low flashpoint liquids may be ignited by the hot tips of the forceps, causing serious fire and risk of injury.
4. Do not leave working CellCeps+ Forceps or Tamperers in cold water! This will sustain a high power demand which can over stress the CellCeps+ Control Unit Power Supply and Control Unit.
5. Do not use for non-specified purposes without prior consultation with the supplier.
6. Do not attempt a repair. Repairs should only be undertaken by a trained service engineer.

### DO:

1. Only use a CellPath CellCeps+ Control Unit Power Supply!
2. Keep the CellCeps+ Control Unit and power supply dry.
3. Maintain the apparatus in a reasonably clean condition.
4. Switch off before removing the plug.

## Specification

CellPaths CellCeps+ Heated Forceps and Tamperers are electrically heated instruments designed to assist in the orientation and positioning of histological specimens during embedding in paraffin wax. CellPaths CellCeps+ Heated Forceps and Tamperers incorporate safe, low-voltage, energy controlled heating elements which constantly maintain their tips at the optimum temperature for manipulation of specimens in histological wax. They may be used continuously, without adjustment, and without significantly influencing the temperature of the medium or tissue. Eliminating the task of keeping the forceps at a usable temperature enables the operator to concentrate on orientation of the tissue, and results in a significant increase in productivity.

### **CellCeps+ Control Unit and Power Supply:**

**Dimensions:** Width 120mm x Depth 120mm x Height 40mm

**Weight (Control Unit):** 486g

**Power supply:** 100/240V a.c power pack supplied with interchangeable UK, EU (schuko) and US sockets

**Capacity:** Two CellCeps+ Heated Forceps/Heated Tamper.

### **CellCeps+ Heated Forceps - Serrated Jaws**

Available with 1mm (Red), 2mm (Yellow) and 4mm (Blue) width tips.

**Tip Length:** 19.5mm

**Forceps Length:** 150mm

**Cable Length:** 1.1 Metre

**Weight:** 63g

**Forceps Material:** Stainless Steel

**Finger Grip:** Silicone

### **CellCeps+ Heated Forceps - Smooth Jaws**

Available with 1mm (Red), 2mm (Yellow) and 4mm (Blue) width tips.

**Tip Length:** 19.5mm

**Forceps Length:** 150mm

**Cable Length:** 1.1 Metre

**Weight:** 63g

**Forceps Material:** Stainless Steel

**Finger Grip:** Silicone

## **CellCeps+ Heated Forceps - Heated Tamper**

Tamper Sizes Available: 8x8mm (Red), 16x16mm (Yellow) 25x28mm (Blue)

**Tamper Length:** 120mm

**Cable Length:** 1 Metre

**Weight:** 33g

**Tamper Material:** Stainless Steel/Brass

**Finger Grip:** Polyolefin Shrink

## **CellCeps+ Heated Forcep/Tamper Stand**

**Capacity:** Two CellCeps+ Heated Forceps/Tampers

**Weight:** 235g

**Material:** Anti-microbial Powder Coated Steel

## **Location**

The product must be placed on a smooth, level and sturdy work surface. Suitable for use in ambient temperatures 5°C to 40°C with a maximum humidity 80% (temperature 31°C) decreasing to 50% (temperature 40°C).

## **Operating Instructions**

1. Plug power pack in.
2. Insert the power supply cable into the socket at the rear of the CellCeps+ Control Unit. Make sure the cable is fully pushed in and locked into place using lock ring.
3. Place the Control Unit in a convenient dry location on the workbench, or on a shelf, with its front panel accessible.
4. Check that the green On/Off switch on the front of the Control Unit is in the "O" or "Off" position.
5. Plug a CellCeps+ heated forcep or tamper into an input socket at the front of the Control Unit. Push in and rotate.
6. Rest the CellCeps+ forcep or tamper horizontally on top of the Control Unit, with the forcep tips or tamper base in free air.
7. Turn on the Control Unit using the green on/off switch: "I" position.
8. The Control Unit may be operated with one or two pairs of CellCeps+ heated forceps/tampers. Each pair of forceps/tampers is independent of the other.
9. The CellCeps+ heated forceps and tampers may be used continuously. They may be left switched on for long periods without risk of damage, providing the forcep tips or tamper base remain in free air and are NOT in contact with any heat absorbing surface.

## Trouble Shooting

### Caution: Do Not attempt to open the equipment!



There are no replacement or user-serviceable parts inside the CellCeps+ Heated Forceps Control Unit or power supply. Any attempt to open their cases will invalidate the warranty and may result in fire or electric shock.

Fault	Check	Feature to check	Action
Forceps/ Tampers not heating up	ON/OFF switch is illuminated in “I” position	No Illumination	Return for Service
		Illumination	Power entering controls check forcep tampers
	Add a 1mm pellet bead of wax to each side of forcep/ tamper	Wax melting in 60 seconds	Normal
		Wax not melting	Keep each pair of forcep/ tamper apart, turn ON/OFF switch to “O” and leave for 1 min before switching “I”. Retest.
		Wax not melting	Check to make sure forcep/ tamper connecting lead is pushed into bayonet socket, rotated and locked into position. Retest.
		Wax melting on one tip and not other	Return forcep/tamper for Service.



## Cleaning Instructions

1. The case work of the CellCeps+ Control Unit, including the control panel, may be wiped using small quantities of mild detergent or polishes applied with a soft cloth.
2. Never clean the CellCeps+ Heated Forceps or Tampers with abrasives or chemical solvents! The plastic covering the arms of the CellCeps+ Heated Forceps and Tampers and the silicone finger grip of the forceps will be damaged by abrasive cleaning agents, and by the excessive use of solvents including: ethanol, ether, xylene, toluene and chloroform.
3. Do Not attempt to clean the CellCeps+ Heated Forceps or Tampers or their power cable with bleach.
4. Do Not attempt to sterilise the CellCeps+ Heated Forceps or Tampers using an autoclave.
5. Excess wax may be removed from the hot tips of the CellCeps+ Heated Forceps or base of the Tamper by wiping them with a dry tissue. For more thorough cleaning, always switch off and unplug the power supply from the wall socket. Excess wax can be easily peeled away from the silicone finger grip area of the CellCeps+ Heated Forceps. It is recommended that excess wax built up on the arms of the forceps and power cable is removed using hot air from a hair dryer to melt the wax and using a tissue to absorb the molten wax.
6. The CellCeps+ Control Unit and CellCeps+ Heated Forceps and Tampers may be wiped using a tissue or moistened with a little water, to which a small quantity of mild detergent may be added. Care must be taken to avoid water entering the switch and the connector sockets on the CellCeps+ Control Unit.

## Warranty Terms and Conditions

1. CellPath Ltd warrants to the Customer that the product purchased is free from defects in materials and workmanship.
2. Provided the terms of payment are duly complied with, CellPath Ltd undertakes to remedy any original defects arising from faulty materials or workmanship, in any goods manufactured/supplied by CellPath Ltd, which under proper and normal conditions of use, may develop within a period of twelve months from the date of delivery.
3. In the case of components which by their nature of application have an unpredictable life, this guarantee shall only be to the extent of the guarantee given by the manufacturers of these articles.
4. CellPath Ltd will accept no liability, where in the opinion of the company the defect has been caused by damage due to the Customers failure to follow operating instructions, correct installation, wear and tear, or damage due to the use of spare parts other than those spare parts of CellPath Ltd or which are

recommended by CellPath Ltd, the defect has been caused by alterations or repairs being undertaken by a person(s) other than an authorised representative of CellPath Ltd.

5. Any damage claim must be in writing, and give the serial number and description of the goods, order number and date of delivery, and will not apply where any names or serial numbers or other information which may be attached to or inscribed upon the goods have been removed, covered up or defaced in any way.
6. Any goods or parts thereof, which may require repair or replacement, shall be repaired or replaced (at the election of CellPath Ltd) at the works of CellPath Ltd. The product to be repaired shall be delivered carriage paid back to CellPath Ltd by the customer at the Customer's risk and expense. Any such goods or parts will be delivered by CellPath Ltd to the Customer free within the United Kingdom but if required to be borne by the Customer. All faulty parts removed from the equipment will become CellPath Ltd's property. Any other repairs or work by CellPath Ltd will be carried out under the terms and conditions for specialist engineers currently in force.
7. In the event of replacement with a new or reconditioned model, the replacement unit will continue the warranty period of the original equipment.
8. If any goods or parts thereof are returned unnecessarily all cost involved, including a charge for inspection, handling and the return carriage must be paid by the sender. In no circumstances shall any of the goods be returned to CellPath Ltd without its prior written consent.
9. Please retain the original packaging over the warranty period.

## **Routine Inspection Recommendations**

CellPath Ltd recommend that a simple annual inspection be made for all CellTec laboratory equipment in order that any malfunction can be identified and rectified as early as possible. This is to ensure user safety and prolong instrument life span.

Recommended checks to be made:

### **1. Condition of Power Lead.**

A visual inspection to ensure the insulation is not damaged and that the correct fuse is fitted.

### **2. Functioning of the On/Off switch.**

The On/Off switch should glow green when set to the On position.

### **3. Condition of the CellCeps+ heated forceps or tamper cables.**

A visual inspection to ensure the insulation is not damaged.

## EC Declaration of Conformity



We herewith confirm the following products:

CellCeps+ Heated Forceps System (1 x 1mm and 1 x 2mm Serrated Forceps)  
Part No. GZG-0100-00A

CellCeps+ Heated Forceps System (1 x 1mm and 1 x 2mm Serrated Forceps)  
Part No. GZI-0100-00A

CellCeps+ Control Unit (Capacity 2x CellCeps+ Forceps)  
Part No. GZK-0100-00A

CellCeps+ Control Unit Power Supply (UK, EU and USA Adaptors)  
Part No. GZK-0200-00A

Conforms with requirements outlined by the following European Directives:

Low Voltage Directive 2014/35/EU

EMC Directive 2014/30/EU

RoHS Directive 2011/65/EU

We confirm the declaration:

Nickel Electro Limited  
Oldmixon Crescent  
Weston Super Mare  
North Somerset  
BS24 9BL  
United Kingdom

Conforms with the requirements of the following standards:

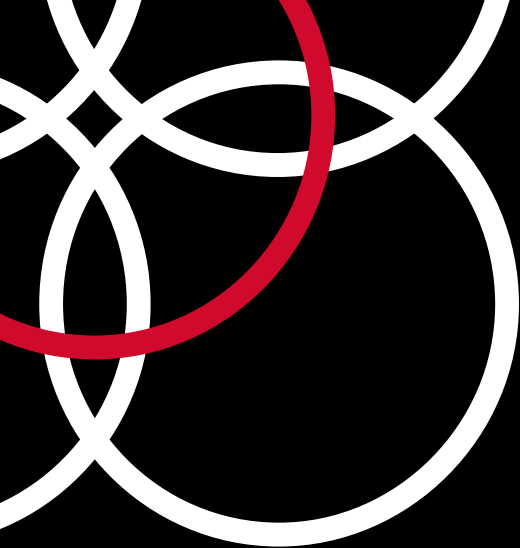
BS EN 61010-1:2010

BS EN 61010-2-010:2014

Safety requirements for electrical equipment for measurement, control and laboratory use.

BS EN 61236-1:2013

Electrical equipment for measurement control and laboratory use - EMC requirements.



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