



# STREX

## STREX Cell Stretching Accessory

Cat. # CGS-150



## Quick Start Guide

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# Section 1: Main Components

## Front of Unit

### **Cover Glass Platforms/Air Intake**

2 cover glass slips are to be placed on the platform above each intake.



### **On/Off Switch**

Flip switch upwards to activate pump.

## Rear of Unit



### **Electrical Connection Port**

Plug cable into this port and into electric outlet.

### **Pump Air Exhaust**

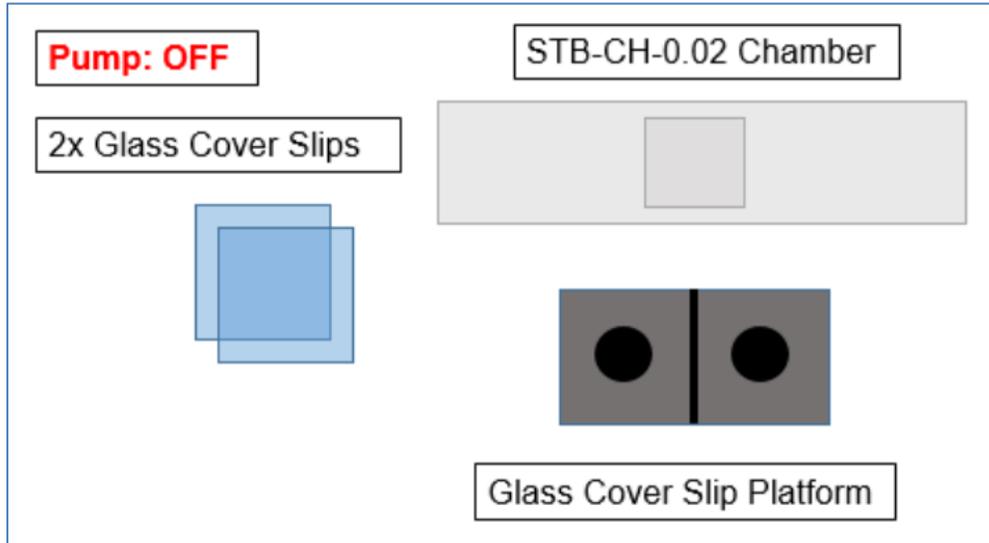
Do not block this outlet, it may damage pump.

## Silicone Strain Chamber (STB-CH-0.02)

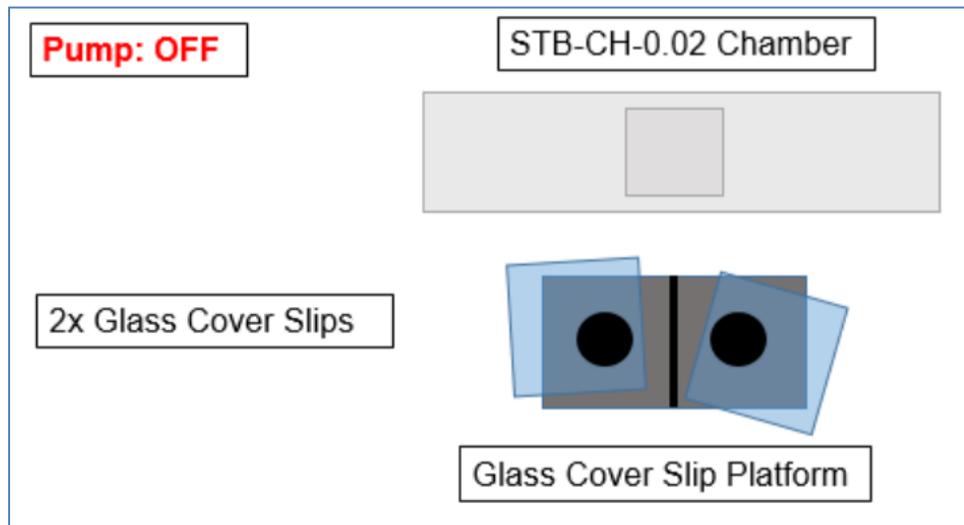


## Section 2: Use of the CGS-150 Pump

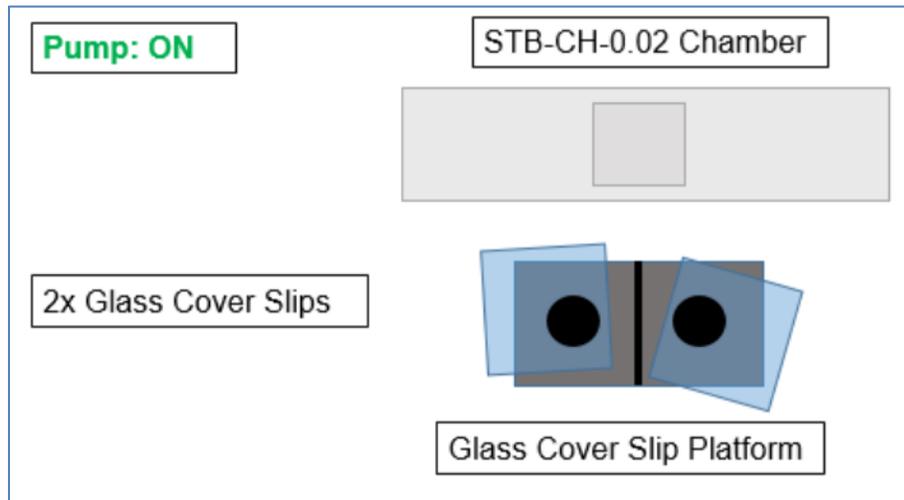
The main use of the CGS-150 pump is to accurately place 2 glass cover slips on the bottom of the silicon Cell Stretching Chamber STB-CH-0.02 in preparation for coating and cell seeding. The glass cover slips assist in allowing the Stretching Chamber to slide along the metal Platform of the STB-150W during stretching and provide a parallel reference point for the cells in the Cell Stretching Chamber.



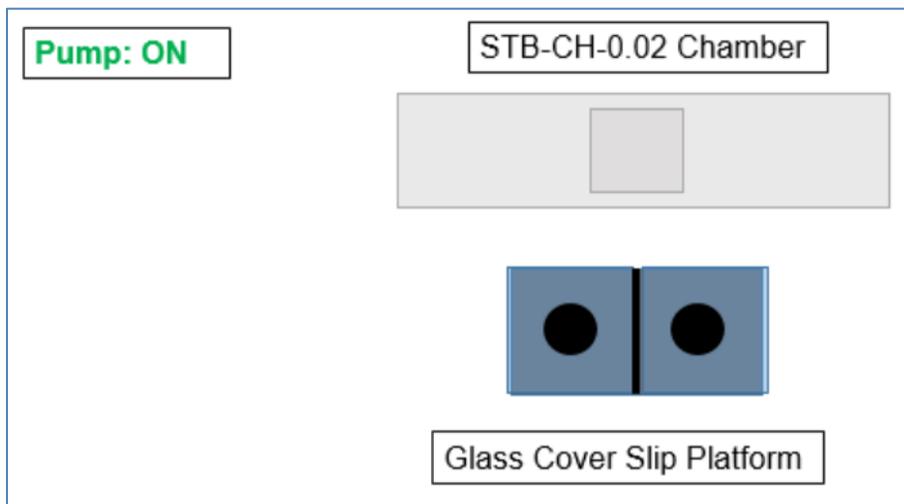
1. Once the machine is plugged into an electrical outlet, and with the Power Switch in the Off Position, place a glass cover slip over each intake hole on the Cover Glass Platform. Ensure that the glass cover slips entirely cover the intake holes.



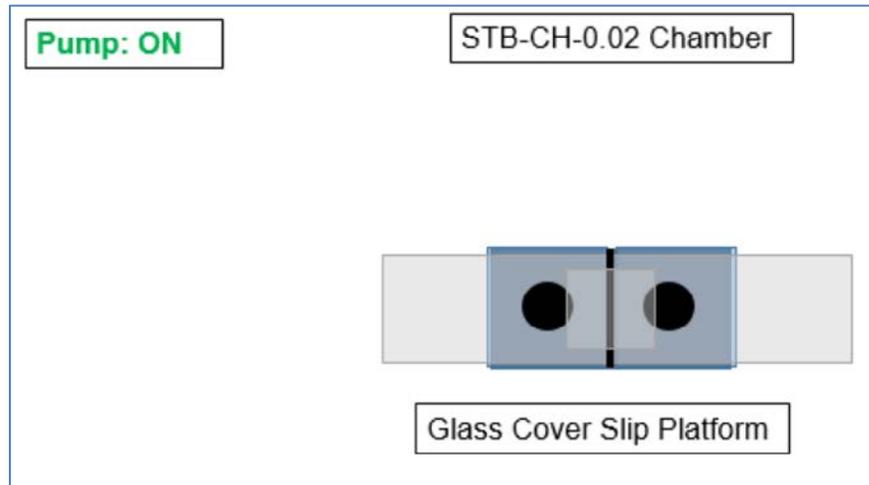
2. Flip the Power Switch to the On Position to cause the glass cover slips to be held in place.



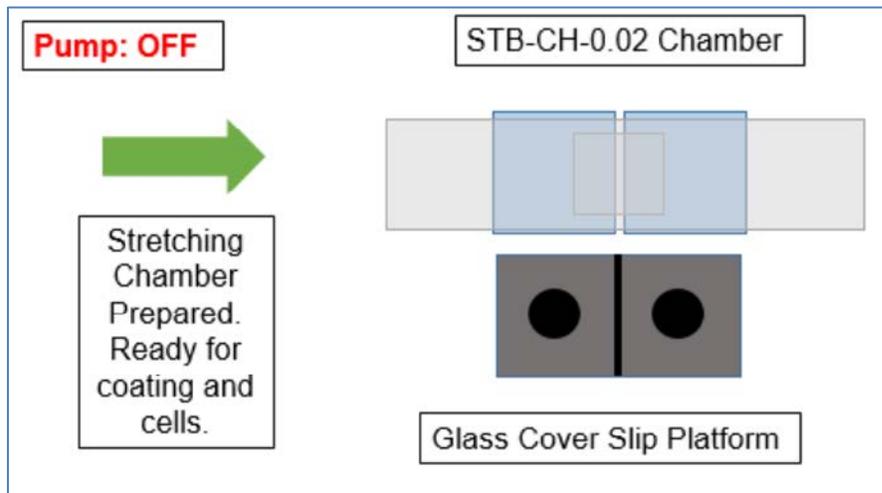
3. Align the glass cover slips to be both touching the center plate between them. This plate is 1mm thick. The cells within the well between the 2 glass cover slips will be the targets for observation.



- Place the STB-CH-0.02 Chamber with the flat bottom membrane facing down on the cover slips and the chamber well facing upwards as seen below. Apply gentle pressure to the STB-CH-0.02 Chamber in order for the glass cover slips to stick to the bottom of the STB-CH-0.02 Chamber.



- Flip the Pump Switch off and remove your prepared chamber and cover slips



The STB-CH-0.02 Chamber is now prepared for coating and cell seeding. See the STB-150W User Manual for more information.

## Installation Location and Environment

- Keep the instrument on a stable, level floor or a table, secure from vibrations. Be sure to have enough space.
- Do not store the instrument in a humid or dusty place. Over time, excessive humidity or dust may cause deterioration that can result in an electrical short-circuit and possibly fire.
- Do not use the machine in a place where the temperature is excessively high. Do not place and run the machine near a heater or in a place being exposed to direct sunlight.
- To avoid possible explosion, never place and run the instrument near the presence of a flammable solid substance, liquid, or gas. It may cause explosion or fire.
- Use the machine in well-lit conditions.
- Do not use the machine outdoors in direct sunlight or rain, which may cause overheating or short circuit.
- If an abnormal sound, smell, or smoke is detected disconnect the power immediately and contact Strex.
- Be cautious as to your clothing and hair when operating the instrument.
- Keep the machine clean and periodically inspect the instrument for excessive wear or damage. Contact Strex if you have any concerns.

## **Section 3: Safety Precautions**

These Safety Precautions are to ensure that you use the product safely and correctly and to prevent harm or injury to users and other people. To prevent injury or harm please read and understand the below text.

 <b>WARNING</b>	Indicates handling prior to reading may cause serious injury or death.
 <b>CAUTION</b>	Indicates handling prior to reading may cause physical harm or damage.

### **Disclaimer**

- We are not responsible for any damage to equipment or facilities during the installation, use, or removal of the product.
- We are not responsible for damages caused by earthquakes, thunder, wind, fire, flood, or a third party to the machine. Negligence, misuse, or abnormal conditions resulting in damage are also not our responsibility.
- We are not responsible for damages caused by malfunctions due to combinations of equipment or software not involving Strex.
- We are not responsible for any incidental damage caused by the use or misuse of this product including loss of business income, interruption of business, loss of stored data, theft of machine, etc.

## **WARNING**

Please do not place water or water-containing vessels on or near the machine:

- Cups, vials, tubes etc. containing water should not be located on or near the device.
- Be careful as to not wet the connection cable or power cable. Failure to do so could lead to fire, electric shock etc. Do not disassemble or reconfigure.
- Do not attempt to disassemble or reconfigure this machine. Doing so may result in fire, electric shock, or equipment malfunction. Please do not use under abnormal conditions.
- If the machine is overheating, emitting a strange odor, etc. disconnect the power cable from the outlet immediately. Failure to do so may result in a fire or electric shock.
- Do not use voltage other than the indicated power supply voltage. Failure to do so may result in fire or electric shock. Be sure to use the supplied power

cable.

- Do not exceed the rating of outlets and wiring equipment. If rating is exceeded with the multiple electrical components fire may be caused due to heat generation.
- Do not touch the main unit or the power cable during severe weather events. It may cause electric shock.
- Do not damage the power cable, forcibly bend it, twist it or pull it. Also, please do not place heavy or heated objects on the power cable. The power cable may be damaged, causing fire, electric shock accident, etc.
- Please contact your distributor to replace the power cable.
- Do not handle power cable with wet hands. Be aware of foreign matter entering instrument
- Unplug the machine immediately if foreign matter, such as water or excessive dust, is expected to have entered it to prevent risk of electric shock. If you dropped or damaged the machine.
- Unplug the power cable if the machine has been dropped or damaged. Not doing so may result in electric shock.

## **CAUTION**

### **Proper Handling of This Equipment**

- Do not place the power cable close to a heating source such as a hotplate or open flame. The cable cover may melt, causing fire, electric shock, malfunction, etc.
- When unplugging the power cable from the outlet, please do not pull on the cable part, but remove at the plug. Pulling the cable will damage the cable and cause fire, electric shock, breakdown, etc.
- Regularly check the condition of the plug. If it is damaged or if dust gathers in the plug insulation failure may result, causing fire. Also, if the plug is incompletely inserted, it may cause electric shock or fire. Do not place heavy objects on top of this machine.
- If you place heavy objects on the machine, the items may collapse or fall and cause injury.

### **Usage Notice**

Periodically clean the plug and receptacle once a month and check that it is securely inserted. When you are not using the machine for a long time, please be sure to unplug the power cable from the outlet for safety.

## Section 4: Warranty

1. The warranty is for one year, commencing the date the customer receives the product and includes the instrument casing, non-wearable parts, as well as the motor and bearings. The cell culture chambers are considered consumables, Strex is responsible for repair or replacement of chambers only if they are received and found defective.
2. The warranty does not cover damage to the instrument that is a result of the following circumstances:
  - ① Damage caused by dropping or other impact.
  - ② Damage caused by inappropriate operation of the instrument.
  - ③ Damage resulting from an attempted repair or modification of the instrument by the user.
  - ④ Damage caused by unavoidable external causes such as earthquakes, lightning, fire, flood, gas leak, power surges, or other acts of providence.

The information contained herein such as specification, configuration, and data or alike in part or in whole may be subject to change without notice.