

1410 Smart-Read EZTest Installation:

The incubator is designed for continuous operation and does not have a power switch. The incubator will power on when it is plugged into a power source.

1. Remove the incubator from its packaging.
2. Unpack the power supply. The power supply includes four interchangeable blades (plugs). Select the appropriate blades for your region and attach the blades to the power supply.
3. Plug the power supply into a power source.
4. Insert the small connector from the power supply into the matching receptacle in the back of the incubator.
5. The incubator will automatically power on and perform a self-test. Upon completion, the installed firmware revision will be displayed on the LED screen for two seconds.
6. The incubator will begin its warm-up phase. During this time the configured temperature set point will fade in and out on the LED screen.
7. The incubator is ready to use when the configured set point is no longer fading in and out, and the LED screen displays the current operating temperature of the incubator.

Note: it may take approximately 15 minutes for the incubator to warm up to operating temperature.

Temperature Selection:

The incubator is initially configured to operate at 60°C for the Smart-Read EZTest. The incubator can be configured to operate at 37°C for Ethylene Oxide biological indicators containing *Bacillus atrophaeus*, or 57°C for alternate steam biological indicators containing *Geobacillus stearothermophilus*.

1. With the incubator powered on, simultaneously press and hold the two small buttons on the rear of the incubator for ~2 seconds until the currently selected temperature set point blinks on the LED display.
2. Release the buttons, then press either button repeatedly to toggle between the available temperature set points (37°C, 57°C, or 60°C).
3. When the desired temperature set point is blinking on the display, press and hold both buttons for ~2 seconds.
4. The configured set point will fade in and out on the LED screen until the incubator has reached temperature, upon which the actual temperature of the incubator will be displayed.

Incubation and interpretation of the Smart-Read EZTest:

Prior to incubation, the Smart-Read EZTest must be activated by crushing its internal glass medium ampoule. This allows the color-change medium from the ampoule to contact the spore carrier.

1. Place the processed or positive control Smart-Read EZTest into the left side of the activation cavity, located below and to the right of the temperature display, and flex the Smart-Read EZTest to the right until the glass ampoule breaks. Always keep the Smart-Read EZTest upright after activation.
2. Place the activated Smart-Read EZTest into one of the thirteen numbered incubation cavities. Record the incubation start time and cavity number.
3. Examine the Smart-Read EZTest at regular intervals for any color change. The appearance of a yellow color indicates bacterial growth and inadequate sterilization. No color change indicates adequate sterilization.
4. The minimum incubation time for Smart-Read EZTest is 10 hours (meets the US CDRH FDA/RIT protocol).
5. Record the results.
6. Dispose of all used Smart-Read EZTest in accordance with your institution's policies. Incinerate or autoclave any positive Smart-Read EZTest at 121°C for not less than 30 minutes.

Use of Controls:

1. As a positive growth control, place an activated, unsterilized Smart-Read EZTest in each incubator on a daily basis.
2. Examine the positive control at regular intervals up to the 10 hour incubation time. Remove all positive indicators as the yellow color is noticed, and dispose of as mentioned above.
3. If the positive control does not grow, do not use the Smart-Read EZTest from this box. Contact Mesa Labs.