

# Steraffirm™ Control Tubes for Steam and Dry Heat Sterilization



Each Steraffirm Sterilizer Control Tube consists of a 45mm x 5mm borosilicate glass tube sealed at both ends. One end is color coded to facilitate identification of the unboxed indicator. The tube contains approximately 200 µl of heat-sensitive red liquid which changes color from red to green at various times and temperatures that are integrated by the device. The control tubes are calibrated to respond to specific temperature and time parameters during a dry or moist heat sterilization cycle. They have a permanent color change when the proper parameters are achieved at the location of each control tube. A color guide in the instruction provides an instant visual check of the results. Since the control tubes consist of sealed vials containing heat-sensitive solution, chemicals from the indicator do not normally come into contact with adjacent items during the cycle.

The control tubes for steam sterilization can be used for gravity, prevacuum or liquids sterilization with specific time and temperature parameters. The control tubes for 121°C /250°F steam can be used to monitor liquid cycles. The control tube may be placed in a test bottle of the solution to be sterilized and placed in the slowest-to-heat area of the chamber for routine monitoring of a validated liquid cycle.

The control tubes for dry heat are calibrated to some of the more commonly used time and temperature parameters of dry heat sterilization. The Steraffirm Control Tubes are for life sciences applications only. They are not approved for use in healthcare facilities in the United States.



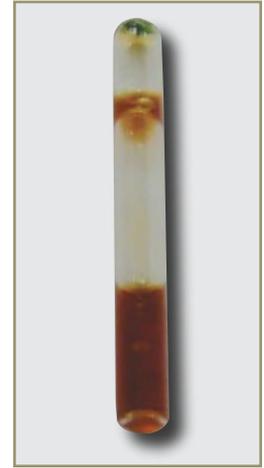
## Steraffirm Control Tubes for Steam and Dry Heat Sterilization



Unused



Typical pass



Typical fail

Colors are an approximation.

Features	Benefits
Color change from red to green after exposure to specified parameters	Easy to interpret, instant readout after the cycle
Permanent color change following exposure	The processed control tubes may be stored for record purposes
Lot number and expiration on each box	Enhances traceability
Several exposure time and temperature specific versions are available	Can be used with some common dry heat or moist heat cycle parameters
PCC024, PCC025 and PCC026 conform to EN 867-1 Class D and ISO 11140-1 Class 4. PCC027 and PCC028 conform to EN 867-1 Class D and ISO 11140-1 Class 6.	Meets critical standards as a multi-parameter indicator

Product	Description	Quantity
PCC024	Steraffirm Control Tubes for Steam 121°C/250°F for 15 minutes	100/bx
PCC025	Steraffirm Control Tubes for Steam 121°C/250°F for 12 minutes	100/bx
PCC026	Steraffirm Control Tubes for Steam 134°C/273°F for 3 minutes	100/bx
PCC027	Steraffirm Control Tubes for Dry Heat 160°C/320°F for 60 minutes	100/bx
PCC028	Steraffirm Control Tubes for Dry Heat 160°C/320°F for 120 minutes	100/bx



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