

STERILIZATION DETAILS FOR MATERIAL TESTING

Sterilization Type	Dosage	Details
Ethylene Oxide (EO)	2X cycles	Total time <i>per cycle</i> (excluding pre- and post-conditioning): 8 hours and 10 minutes EO exposure time <i>per cycle</i> : 8 hours and 0 minutes EO concentration: 725 ppm Maximum temperature: 131°F Maximum relative humidity: 60% Maximum pressure rate change: 25 psi/min
Gamma	@25 kGy @50 kGy @100 kGy	1X cycle @25 kGy 1X cycle @50 kGy 1X cycle @100 kGy
Electron-beam	@25 kGy @50 kGy @100 kGy	1X cycle @25 kGy 2X cycles @25 kGy 4X cycles @25 kGy
Steam	1X cycle	Total time <i>per cycle</i> : 1 hours and 0 minutes Steam exposure <i>per cycle</i> : 0 hours and 30 minutes Maximum temperature: 261°F Maximum pressure: 40 psia
Low-temperature Oxidative: Sterrad® 100S	1X cycle	Total time <i>per cycle</i> : 0 hours and 55 minutes H ₂ O ₂ exposure time <i>per cycle</i> : 0 hours and 28 minutes Sterilant concentration: 58% Maximum temperature: 131°F
Low-temperature Oxidative: Vapor Hydrogen Peroxide	1X cycle	Total time <i>per cycle</i> : 1 hours and 40 minutes H ₂ O ₂ exposure time <i>per cycle</i> : 0 hours and 40 minutes Sterilant concentration: 35% Maximum temperature: 122°F