

# The following demonstrates how using chlorine dioxide gas to decontaminate your isolators can greatly decrease your cycle time

## Media Load (Total Decontamination Cycle Time - 1 hour 20 minutes)

### Cycle Parameters

Chamber Volume (cu ft):	31
Chamber Pressure Relief Sp (Pa):	100
Chamber Pressure Relief:	Yes
Leak Test Sp (Pa):	85
Leak Test Time (min):	1
Leak Test Allowable Drop (Pa):	50
RH Condition Sp (%RH):	75
RH Condition Time (min):	30
CD Concentration Sp (mg/L):	5
CD Expose Time (min):	30
Aeration Time (min):	10
Aeration Control:	Manual

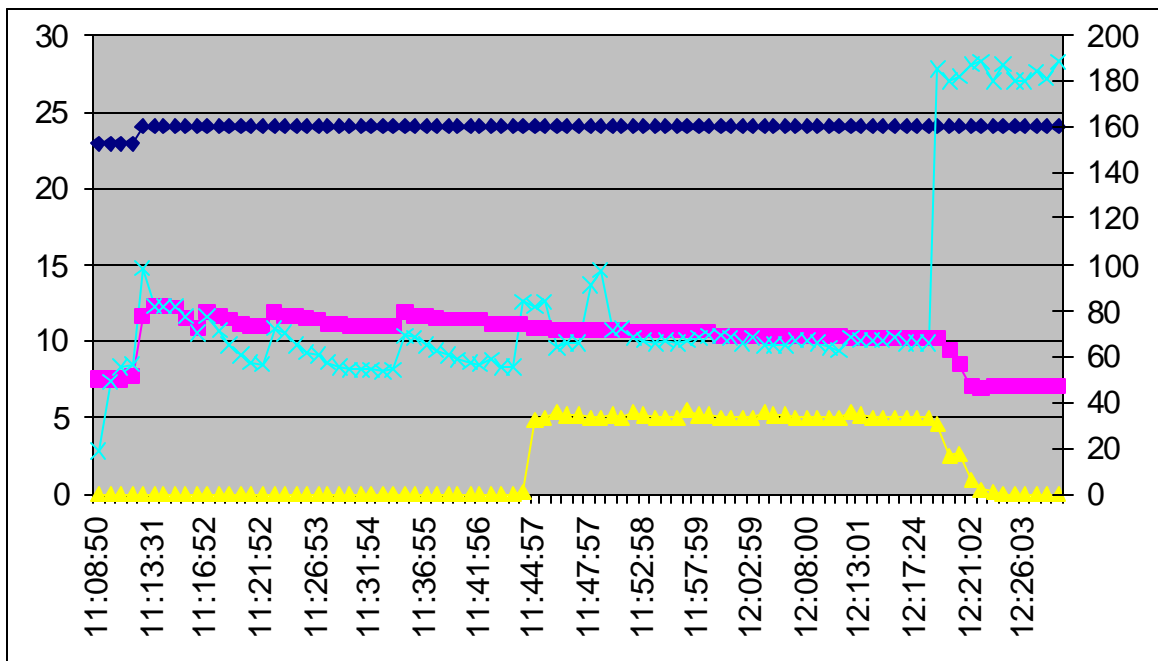


There were a total of 25 biological indicators (*bacillus subtilis*) placed throughout the chamber and load with NO positives.

### Media Load Cycle Chart

Yellow - CD Concentration  
Blue - Temperature

Cyan - Pressure  
Magenta - RH



The following demonstrates how using chlorine dioxide gas to decontaminate your isolators can greatly decrease your cycle time

**Component Load (Total Decontamination Cycle Time - 1 hour 20 minutes)**

**Cycle Parameters**

Chamber Volume (cu ft):	31
Chamber Pressure Relief Sp (Pa):	100
Chamber Pressure Relief:	Yes
Leak Test Sp (Pa):	85
Leak Test Time (min):	1
Leak Test Allowable Drop (Pa):	50
RH Condition Sp (%RH):	75
RH Condition Time (min):	30
CD Concentration Sp (mg/L):	5
CD Expose Time (min):	30
Aeration Time (min):	10
Aeration Control:	Manual

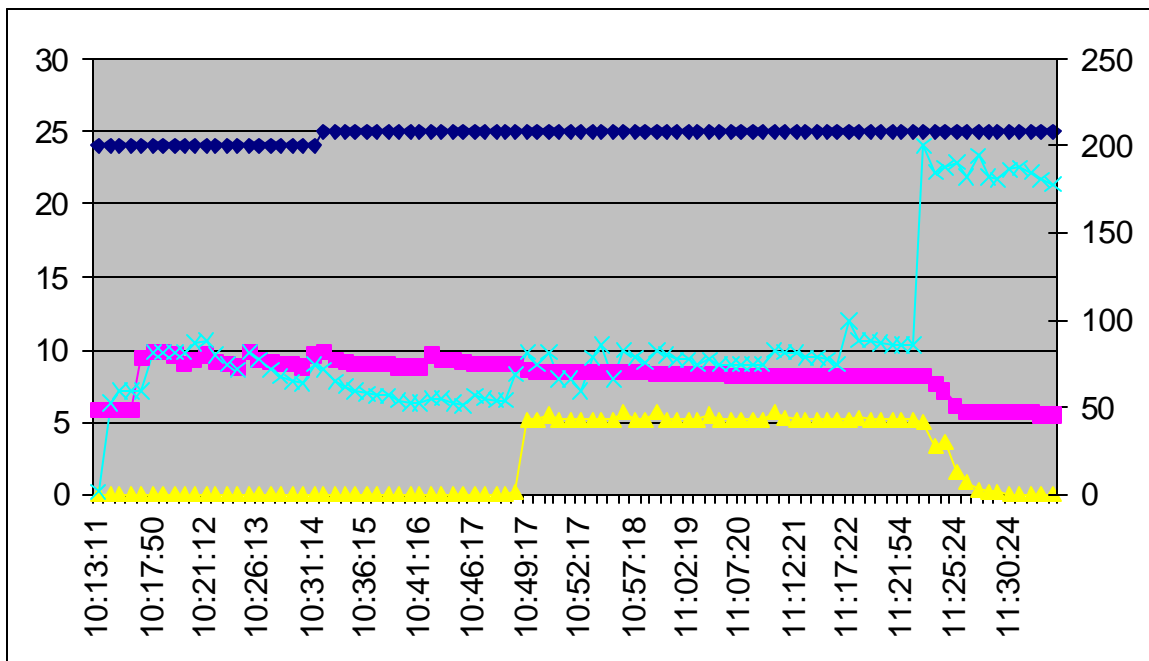


There were a total of 25 biological indicators (*bacillus subtilis*) placed throughout the chamber and load with NO positives.

**Component Load Cycle Chart**

Yellow - CD Concentration  
Blue – Temperature

Cyan - Pressure  
Magenta - RH



The following demonstrates how using chlorine dioxide gas to decontaminate your room can greatly decrease your cycle time

## Microbial Challenge Room (Total Decontamination Cycle Time - 6 hour 30 minutes)

### Cycle Parameters

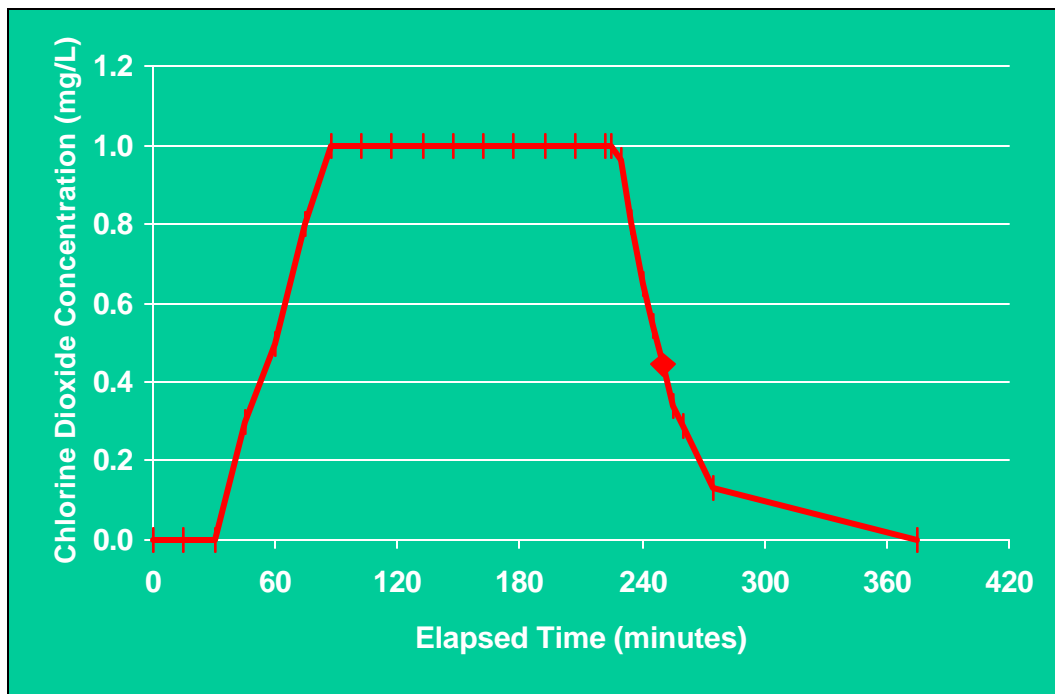
Chamber Volume (cu ft):	6000
Chamber Pressure Relief Sp (Pa):	100
Chamber Pressure Relief:	Yes
Leak Test Sp (Pa):	85
Leak Test Time (min):	1
Leak Test Allowable Drop (Pa):	50
RH Condition Sp (%RH):	75
RH Condition Time (min):	30
CD Concentration Sp (mg/L):	5
CD Expose Time (min):	30
Aeration Time (min):	10
Aeration Control:	Manual



There were a total of 42 biological indicators (*bacillus subtilis*) placed throughout the chamber and load with NO positives.

## Microbial Challenge Room Chart (3 hour expose - log reduction >12)

Red - CD Concentration



The following demonstrates how using chlorine dioxide gas to decontaminate your isolators can greatly decrease your cycle time

**Workstation Isolator / Autoclave Interface Isolator and Autoclave (Total Decontamination Cycle Time - 1 hour 52 minutes)**

Cycle Parameters

Chamber Volume (cu ft):	279
Chamber Pressure Relief Sp (Pa):	125
Chamber Pressure Relief:	Yes
Leak Test Sp (Pa):	90
Leak Test Time (min):	1
Leak Test Allowable Drop (Pa):	50
RH Condition Sp (%RH):	70
RH Condition Time (min):	30
CD Concentration Sp (mg/L):	5
CD Expose Time (min):	35
Aeration Time (min):	10
Aeration Control:	Manual

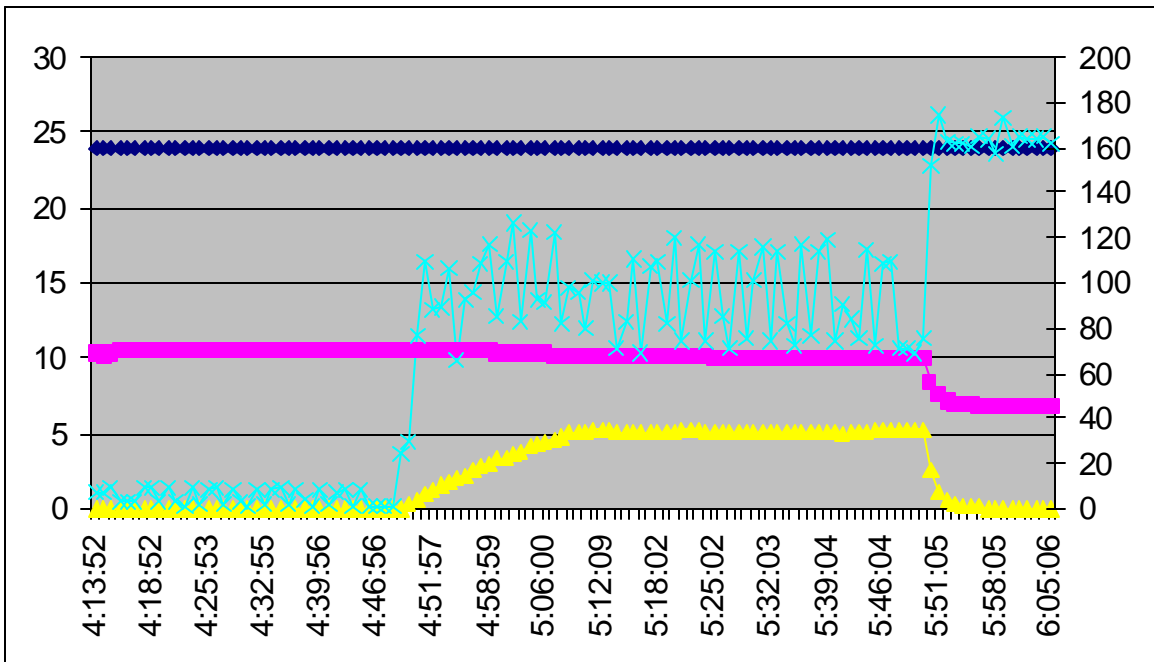


There were a total of 24 biological indicators (*bacillus subtilis*) placed throughout the chamber and load with NO positives.

**Workstation Isolator / Autoclave Interface Isolator and Autoclave Chart**

Yellow - CD Concentration  
Blue – Temperature

Cyan - Pressure  
Magenta - RH



The following demonstrates how using chlorine dioxide gas to sterilize your products and components can greatly decrease your cycle time

**Lumen Sterilizer Load (Total Sterilization Cycle Time - 3 hour 40 minutes)**

**NOTE: no external aeration required**

Cycle Parameters

Chamber Volume (cu ft):	21
Vacuum Sp (K Pa):	15
Leak Test Sp (K Pa):	30
Leak Test Time (min):	1
Leak Test Allowable Drop (Pa):	10
RH Condition Sp (%RH):	70
RH Condition Time (min):	30
CD Concentration Sp (mg/L):	30
CD Expose Time (min):	60
Vacuum / Break Cycles:	3
Aeration Control:	Manual



**Lumen Sterilizer Load Chart**

Yellow - CD Concentration  
Blue - Temperature

Cyan - Pressure  
Magenta - RH

