

## Figures for TM#1, Draft #13

**NOTE: Some of these figures will be changed in the final version of the document. We welcome suggested replacements in any common format. Please send these to [Jagalloco@aol.com](mailto:Jagalloco@aol.com)**

**This file also includes some new and replacement figures that have not yet been reviewed by the task force and accepted for inclusion in the document. Note that because of font and printer differences between different computers the figures may not appear the same on different computers.**

Figure 1

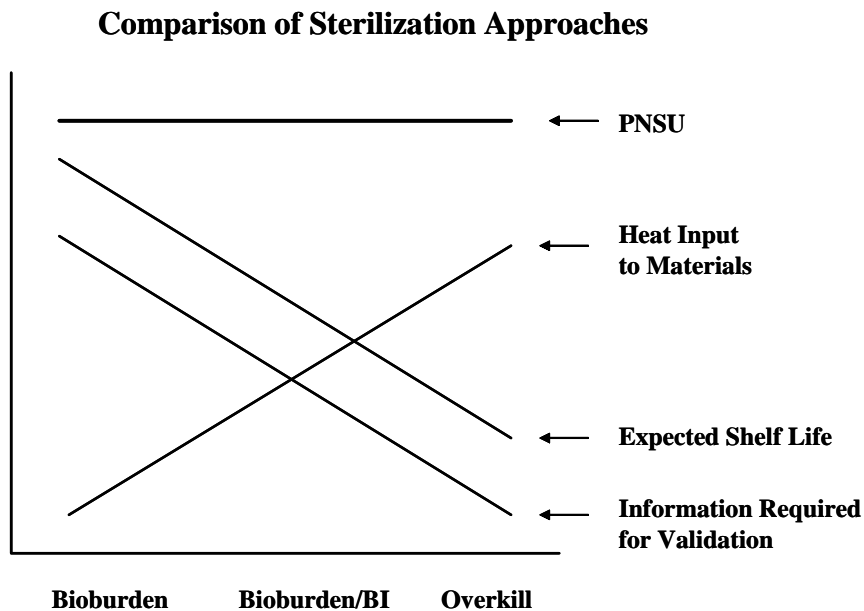


Figure 2 – Note : To be replaced, embedded error in figure number

Figure 3. Water-steam phase diagram; saturation line

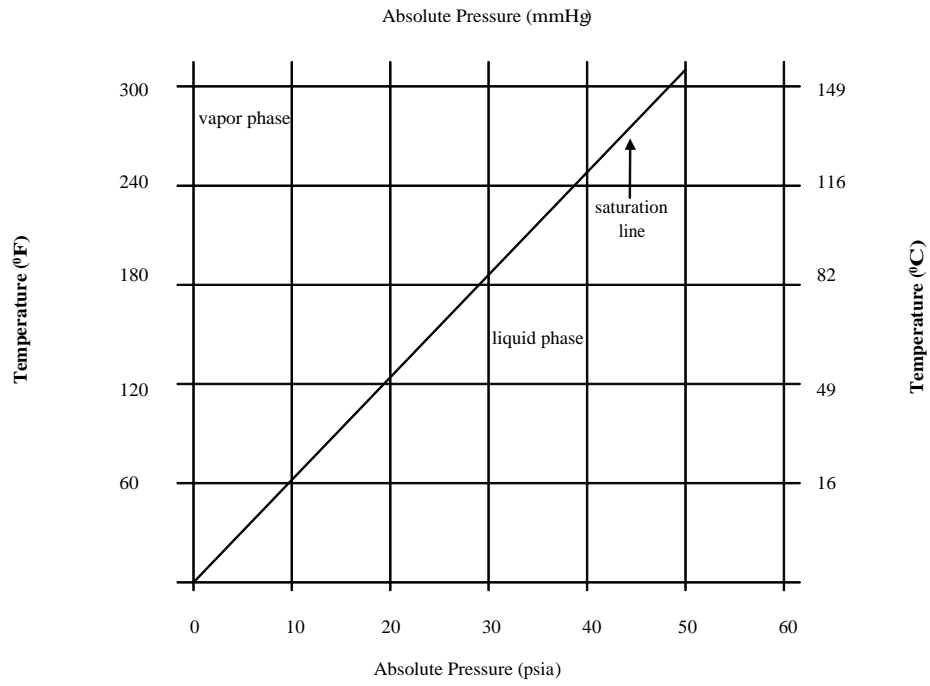


Figure 3

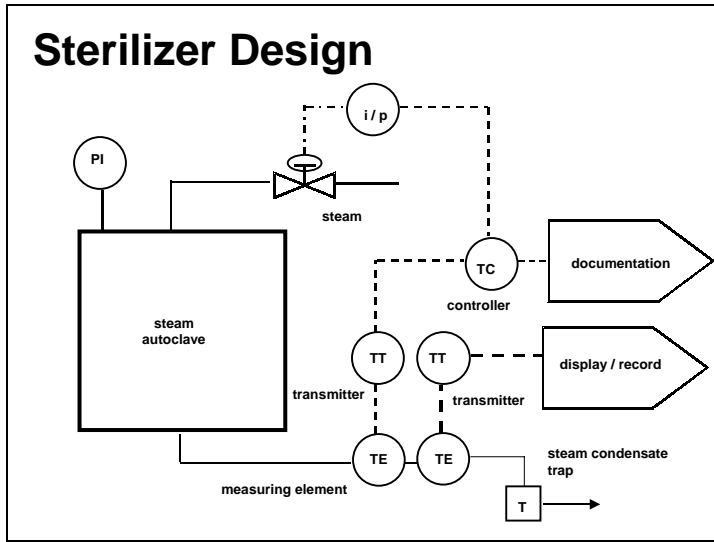


Figure 4

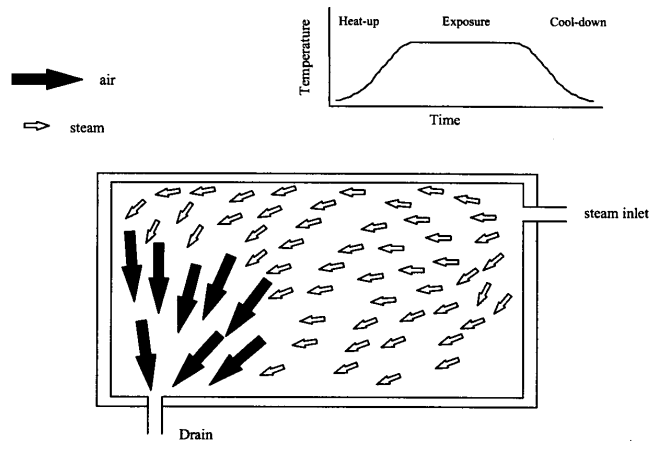


Figure 5

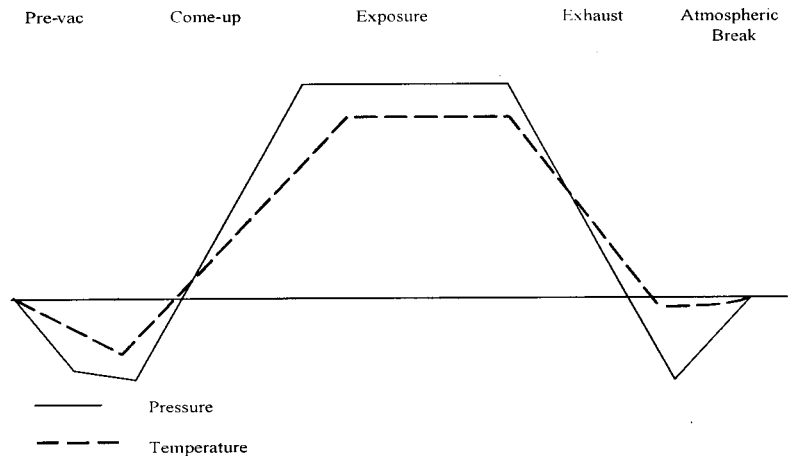


Figure 6

Figure 6. Pulsing Cycle

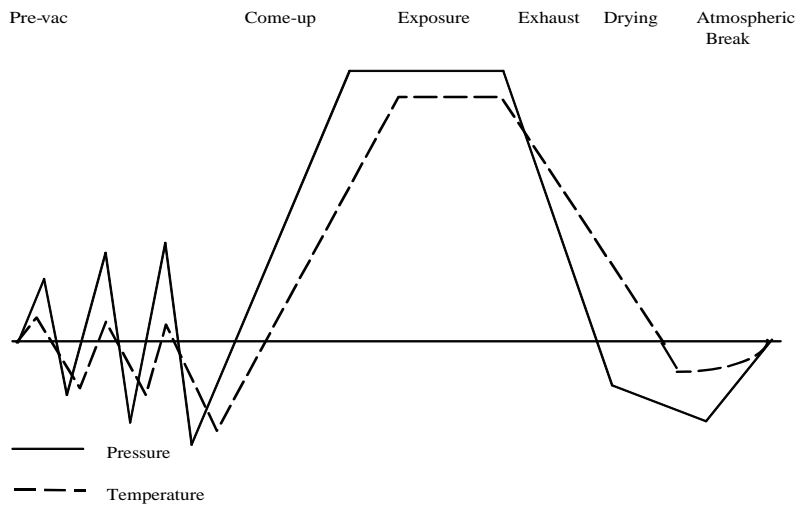


Figure 7

**Figure 7. Fan-mixed air overpressure autoclave**

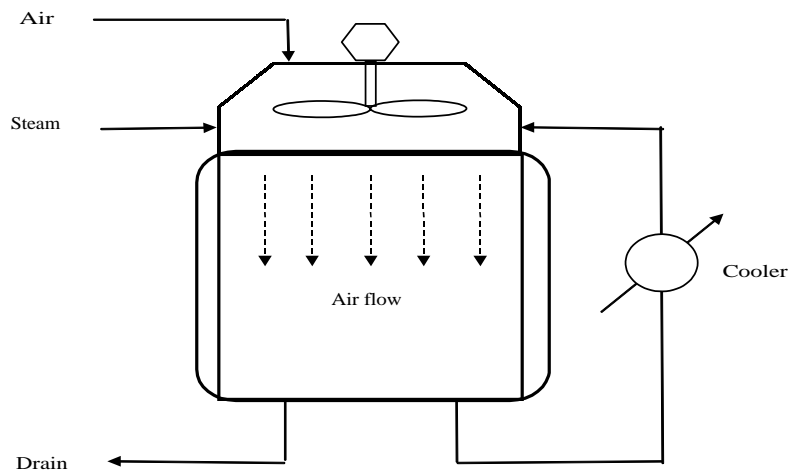


Figure 8

Figure 8. Water Cascade ("raining") Autoclave

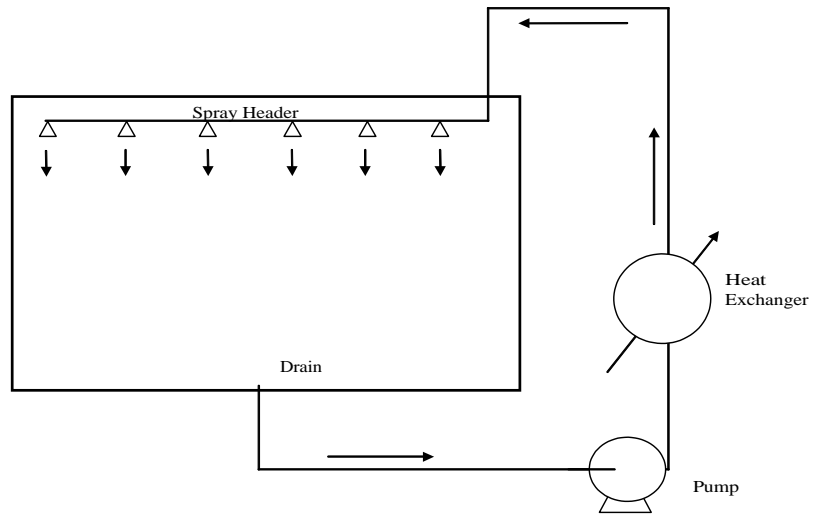


Figure 9

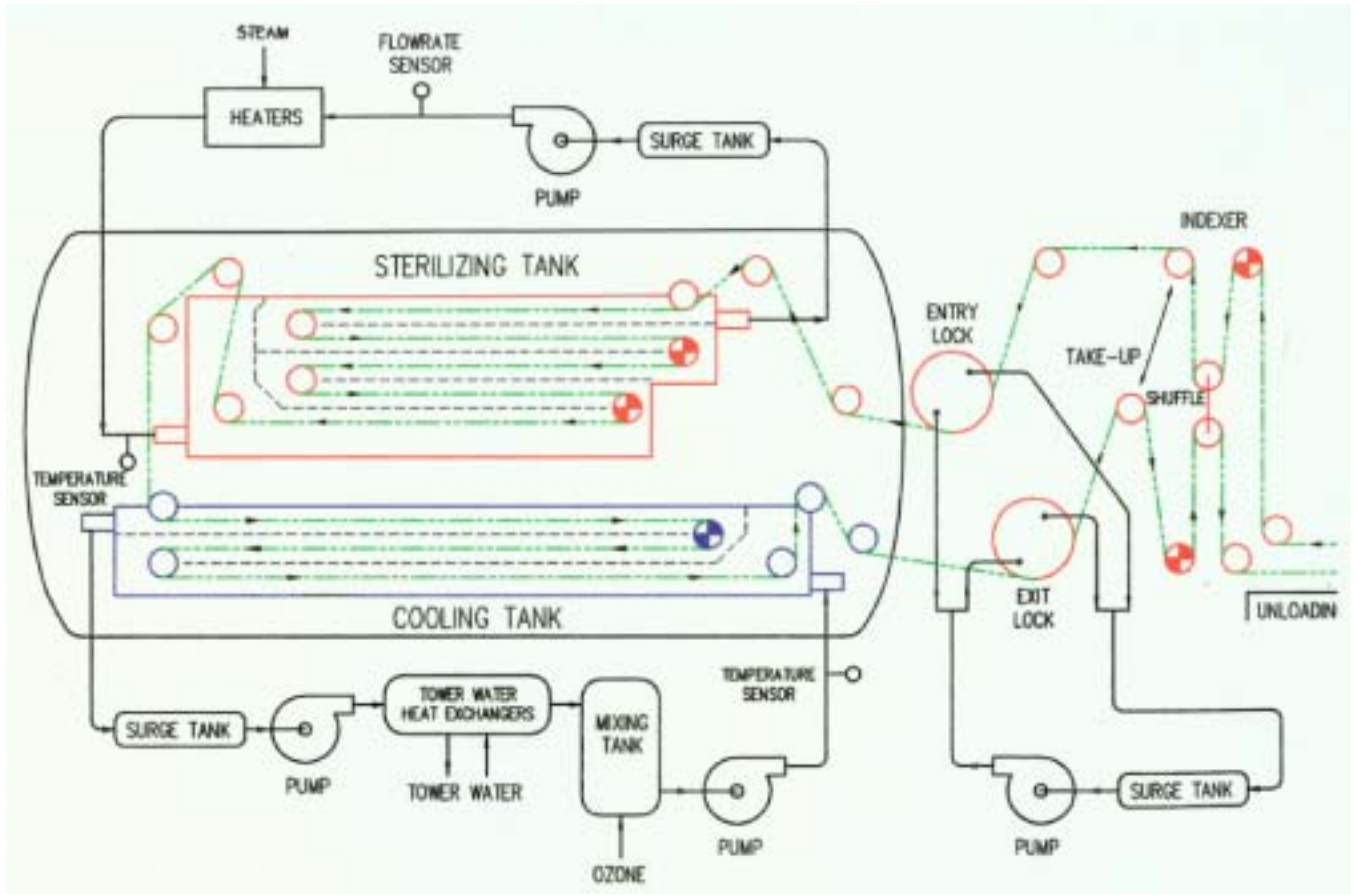


Figure 10

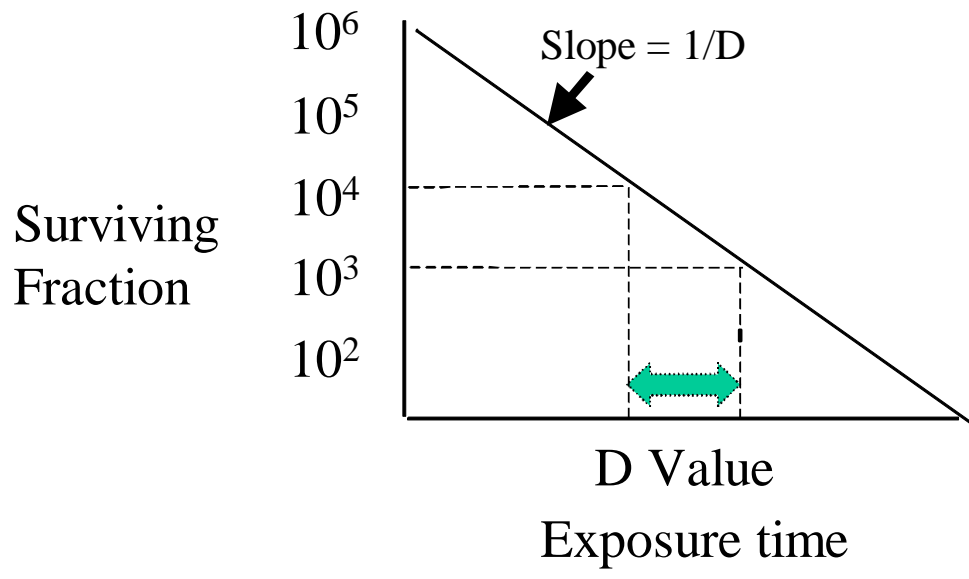


Figure 11

Figure 11. Typical temperature curve for a BIER vessel

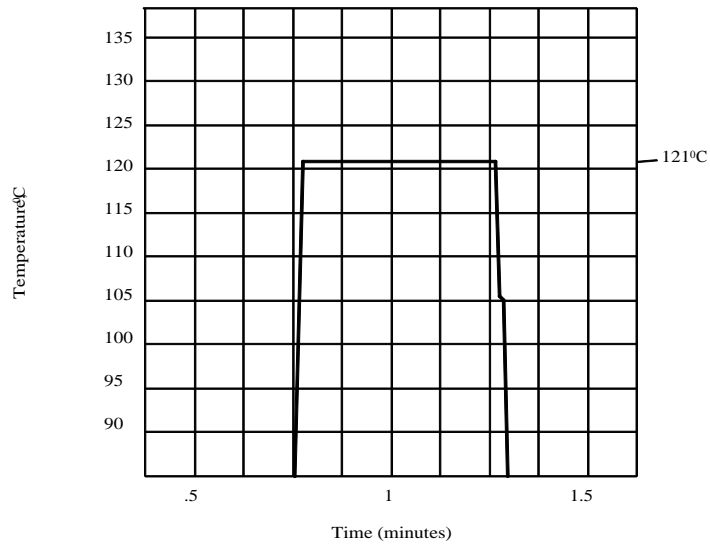


Figure 12

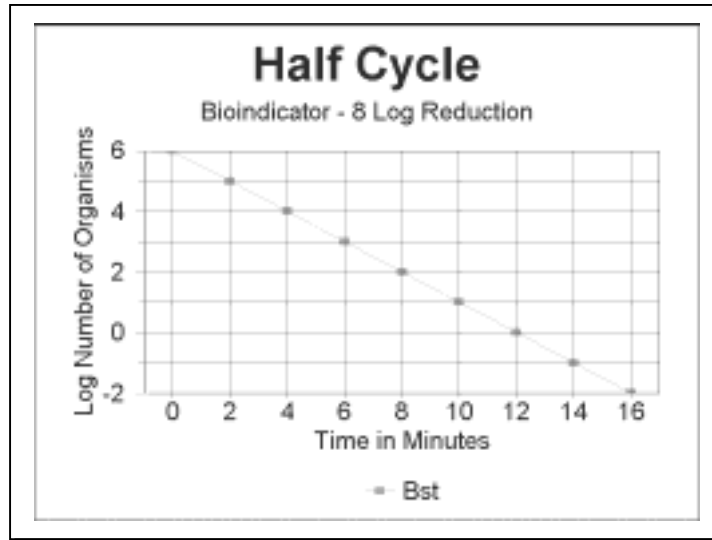


Figure 13

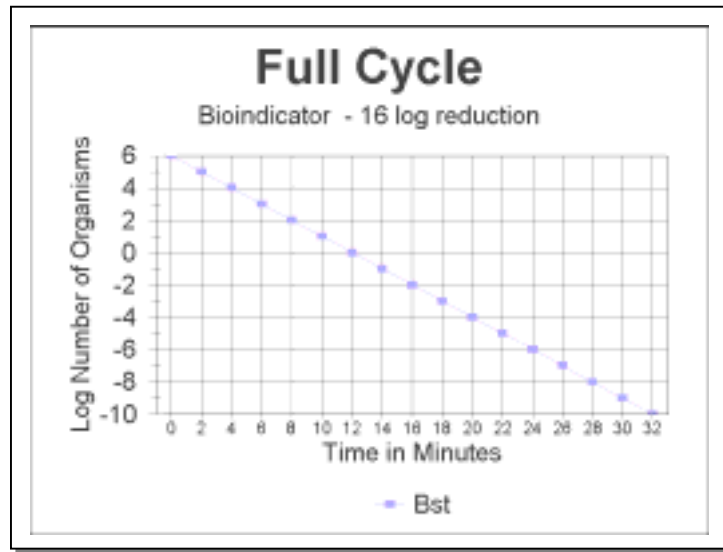


Figure 14

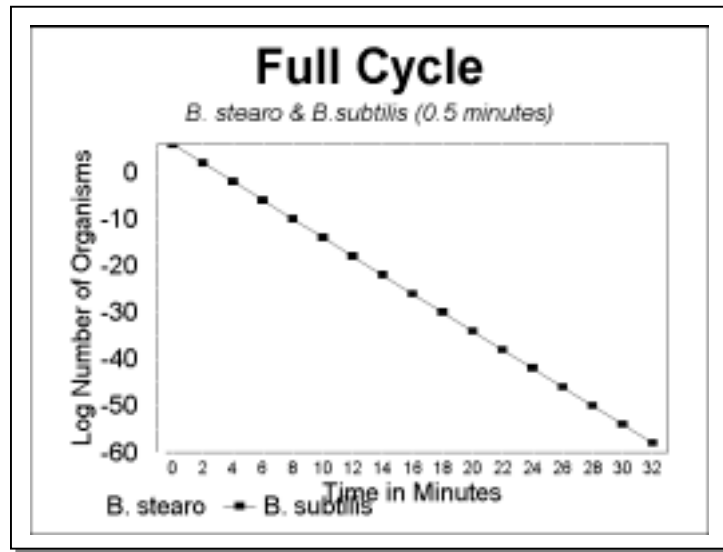


Figure 15

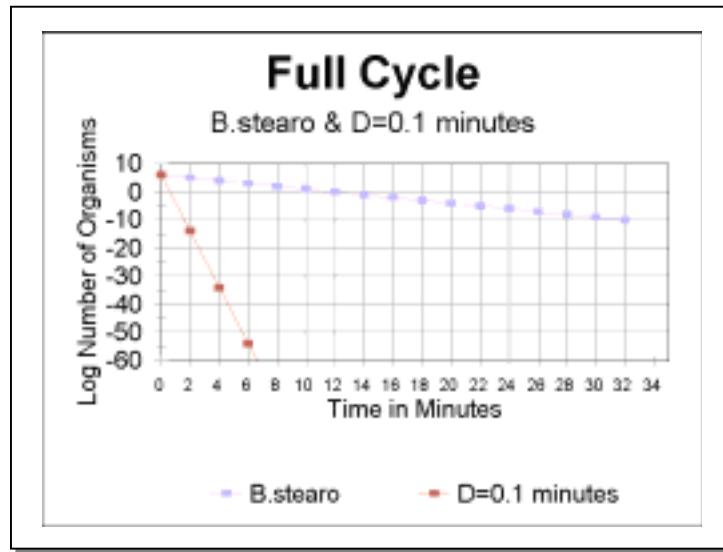


Figure 16

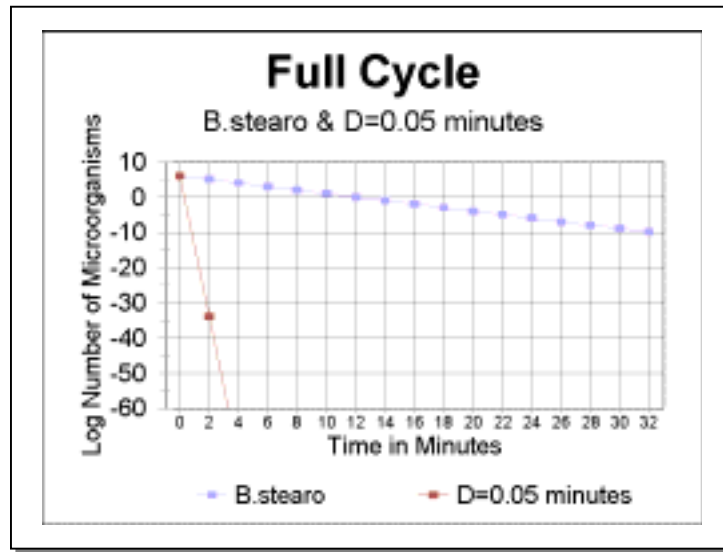


Figure 17

Figure 13. Container mapping configuration

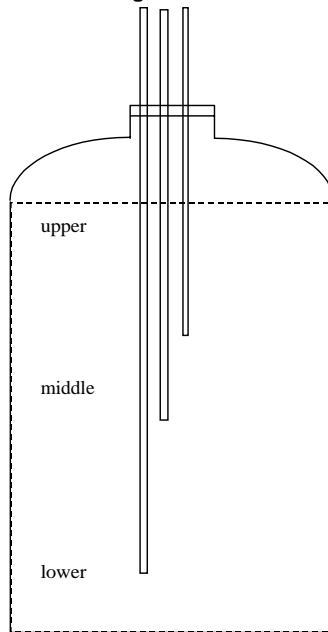


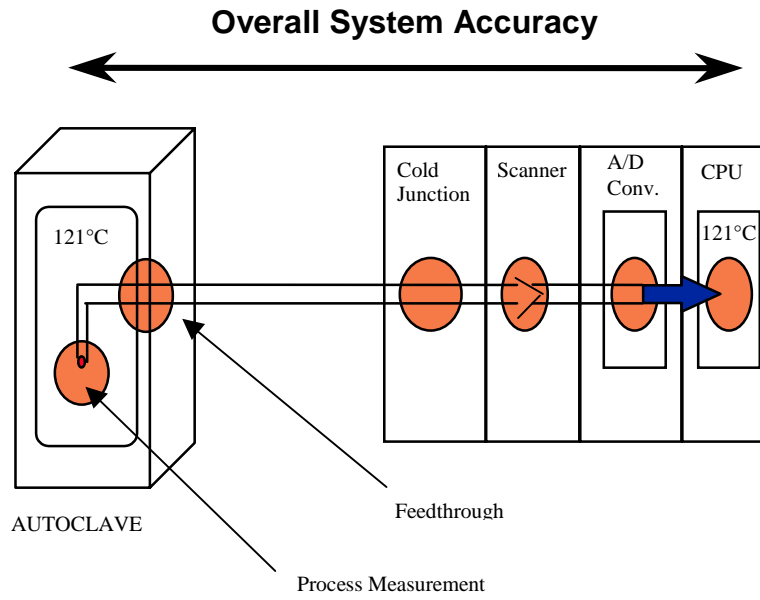
Figure 18

Figure 19

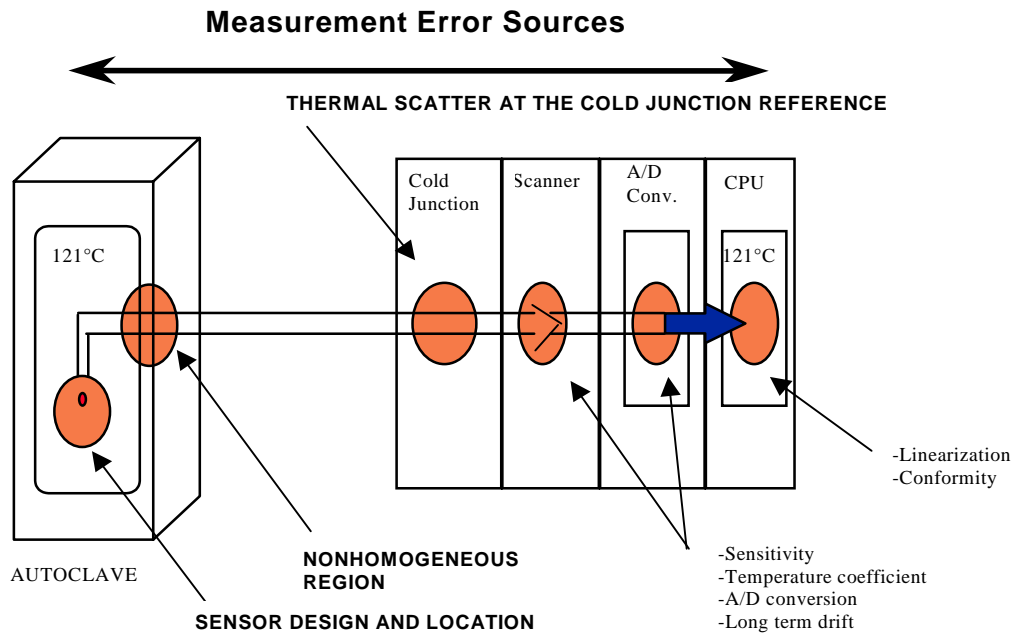
Figure 20

Figure 21

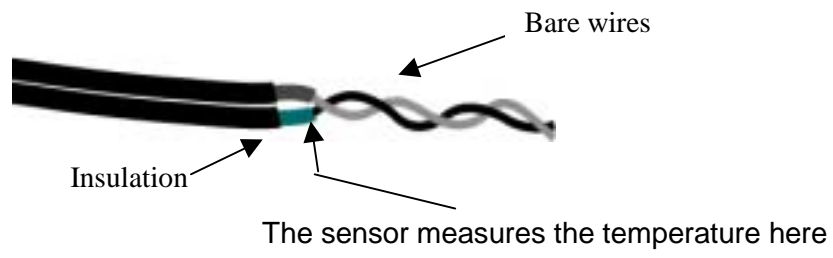
Appendix Figure 1



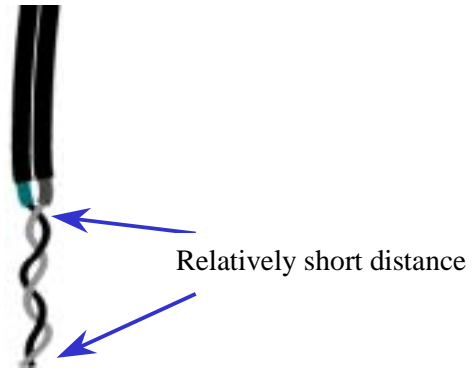
Appendix Figure 2



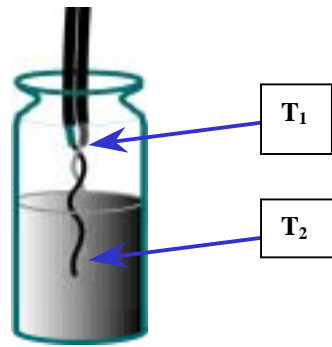
Appendix Figure 3



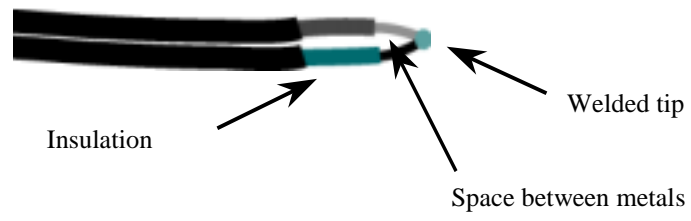
Appendix Figure 4



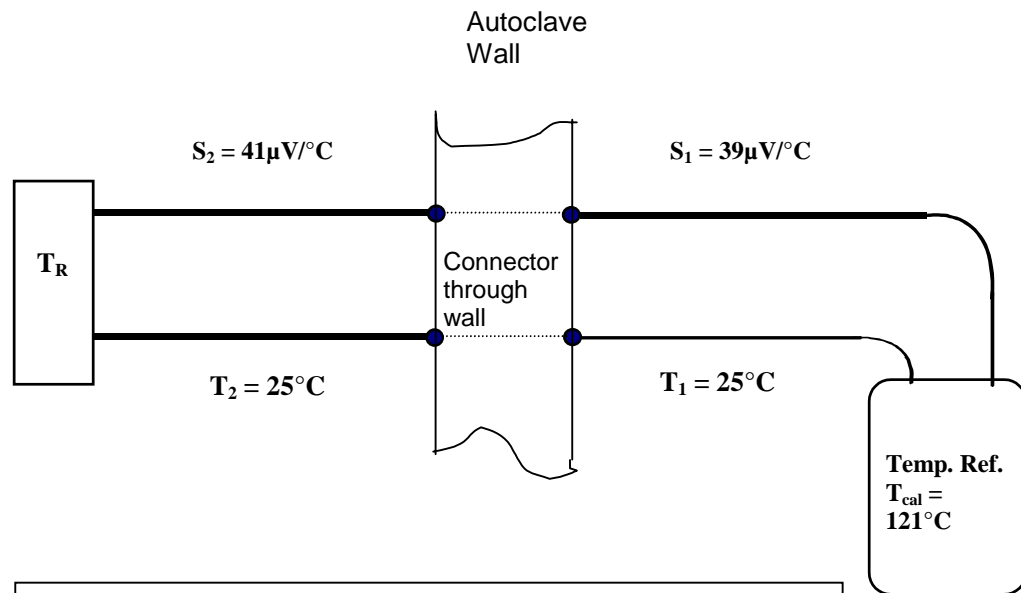
Appendix Figure 5



Appendix Figure 6

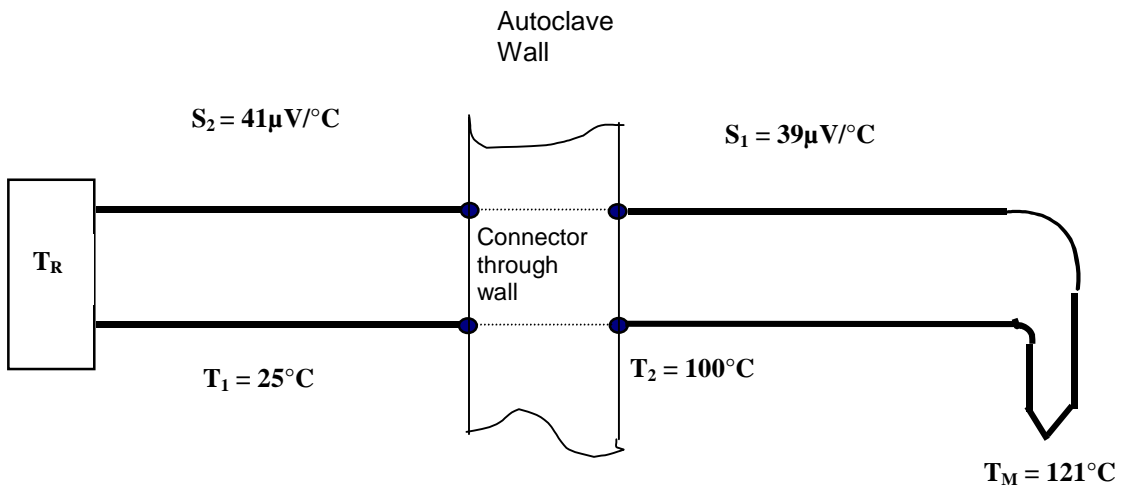


Appendix Figure 7



**Error calculation:**  
 $\text{Error} = (S_2 - S_1) \times (T_2 - T_1) = 2 \times 0 = 0$

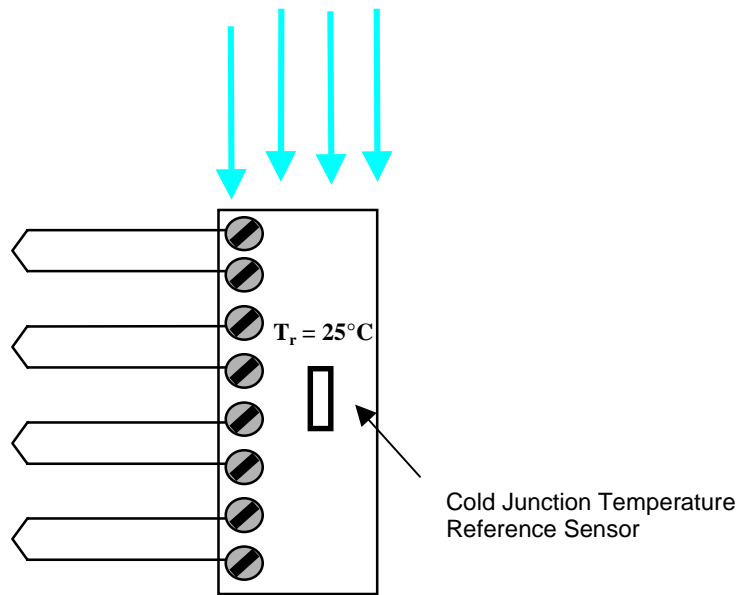
Appendix Figure 8



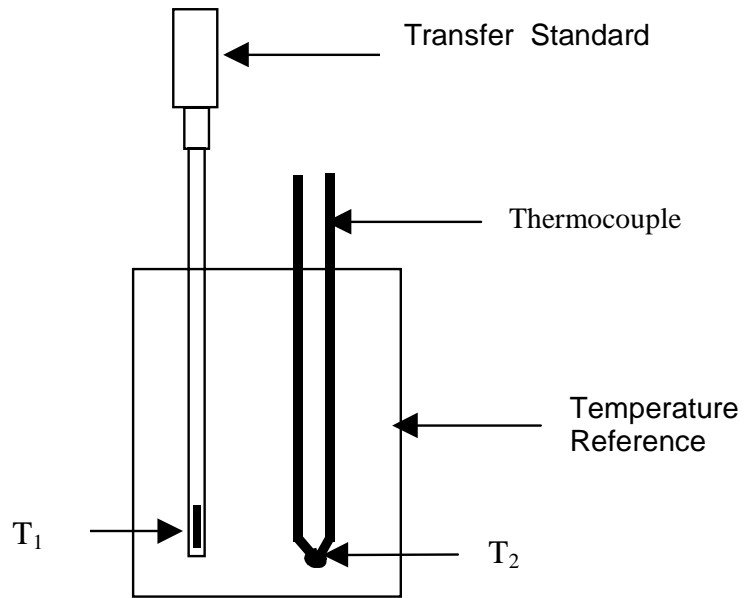
**Error calculation:**

$$\text{Error} = (S_2 - S_1) \times (T_2 - T_1) = 2 \times 75 = 150 \mu\text{V} \text{ or } 3.8^\circ\text{C}$$

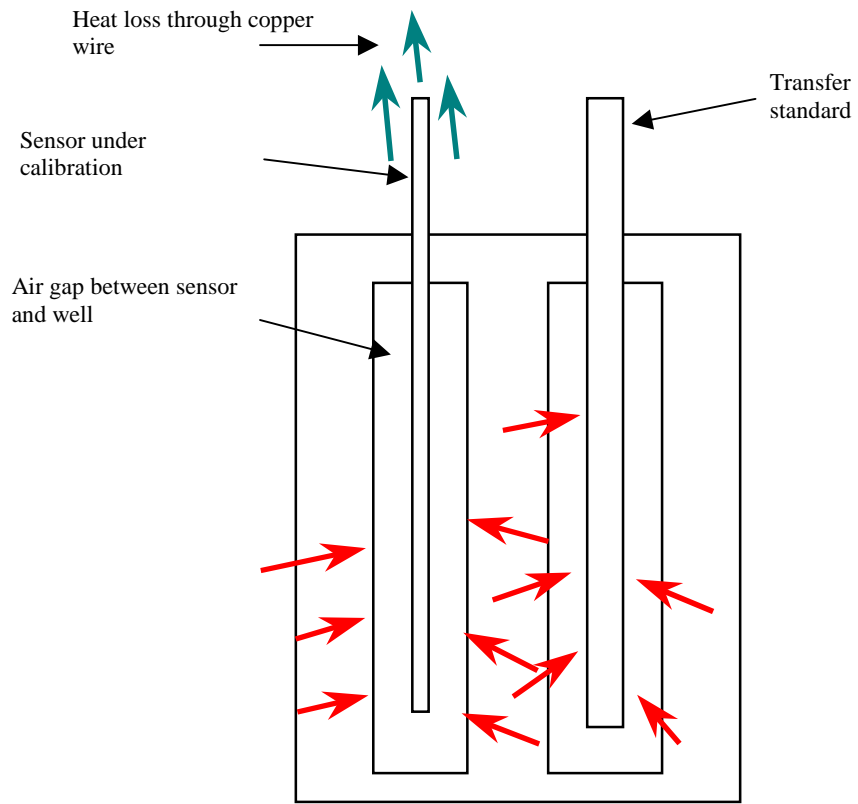
Appendix Figure 9



Appendix Figure 10



Appendix Figure 11



Appendix Figure 12

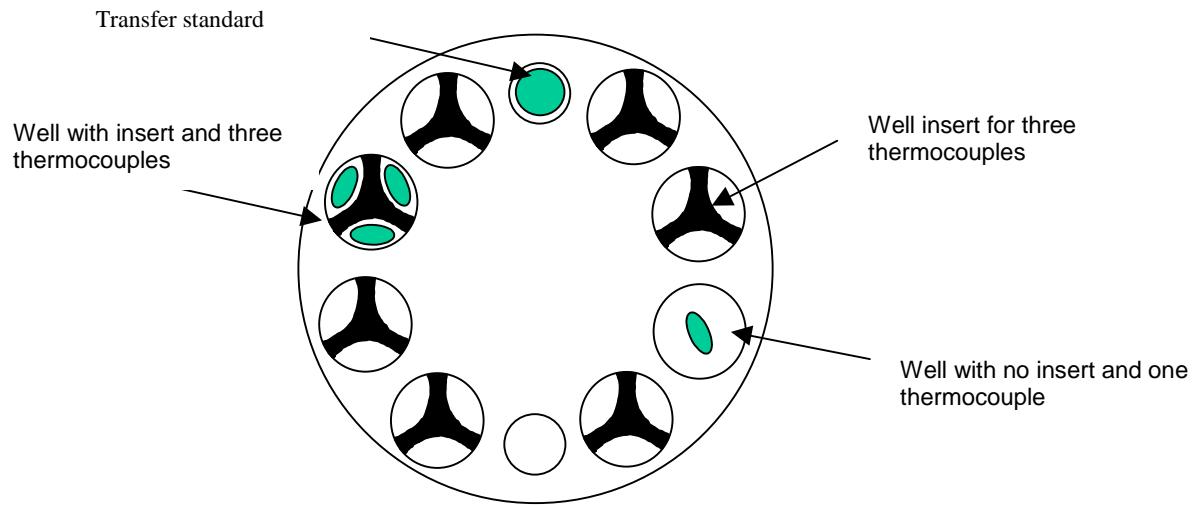
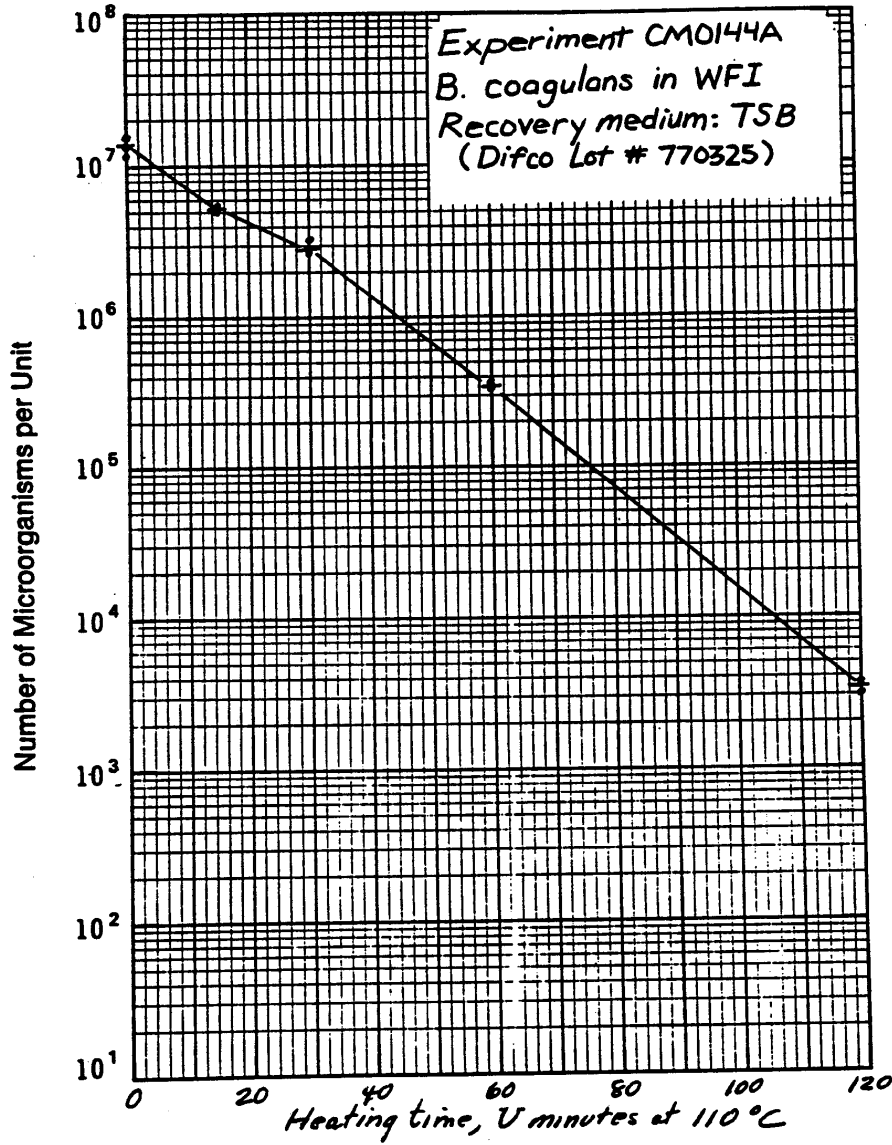


Figure B

3.19



Results From a Microbial Destruction Test:  
Three Replicates at Four Heating Times, Plus N<sub>0</sub> Data Plotted  
on Semi-Logarithmic Graph Paper

New Figure 1

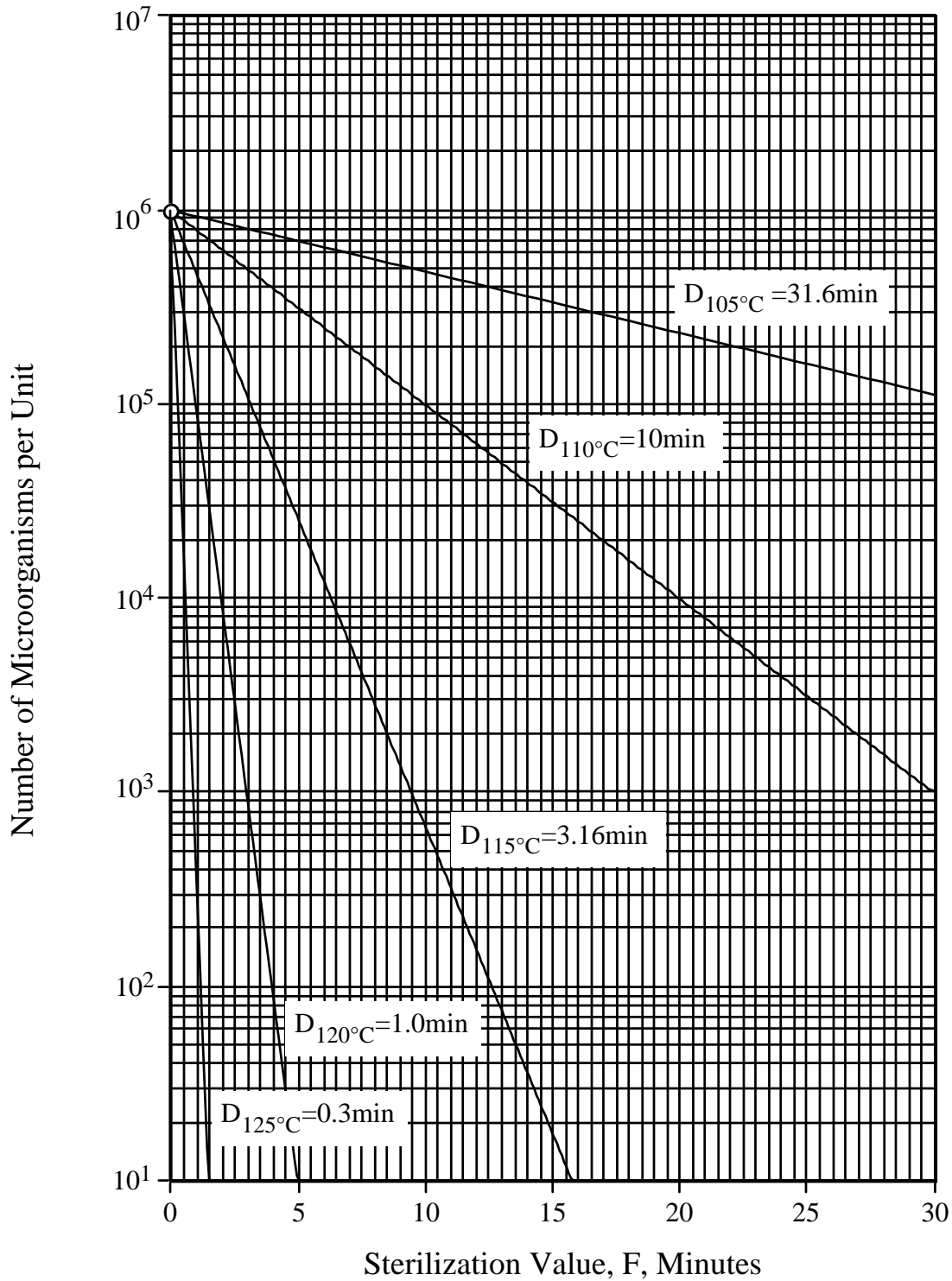


Figure 9.2: Results (D-Values) of Thermal Destruction Tests of a Single Spore Inoculum at Five Temperatures

Replacement Figure

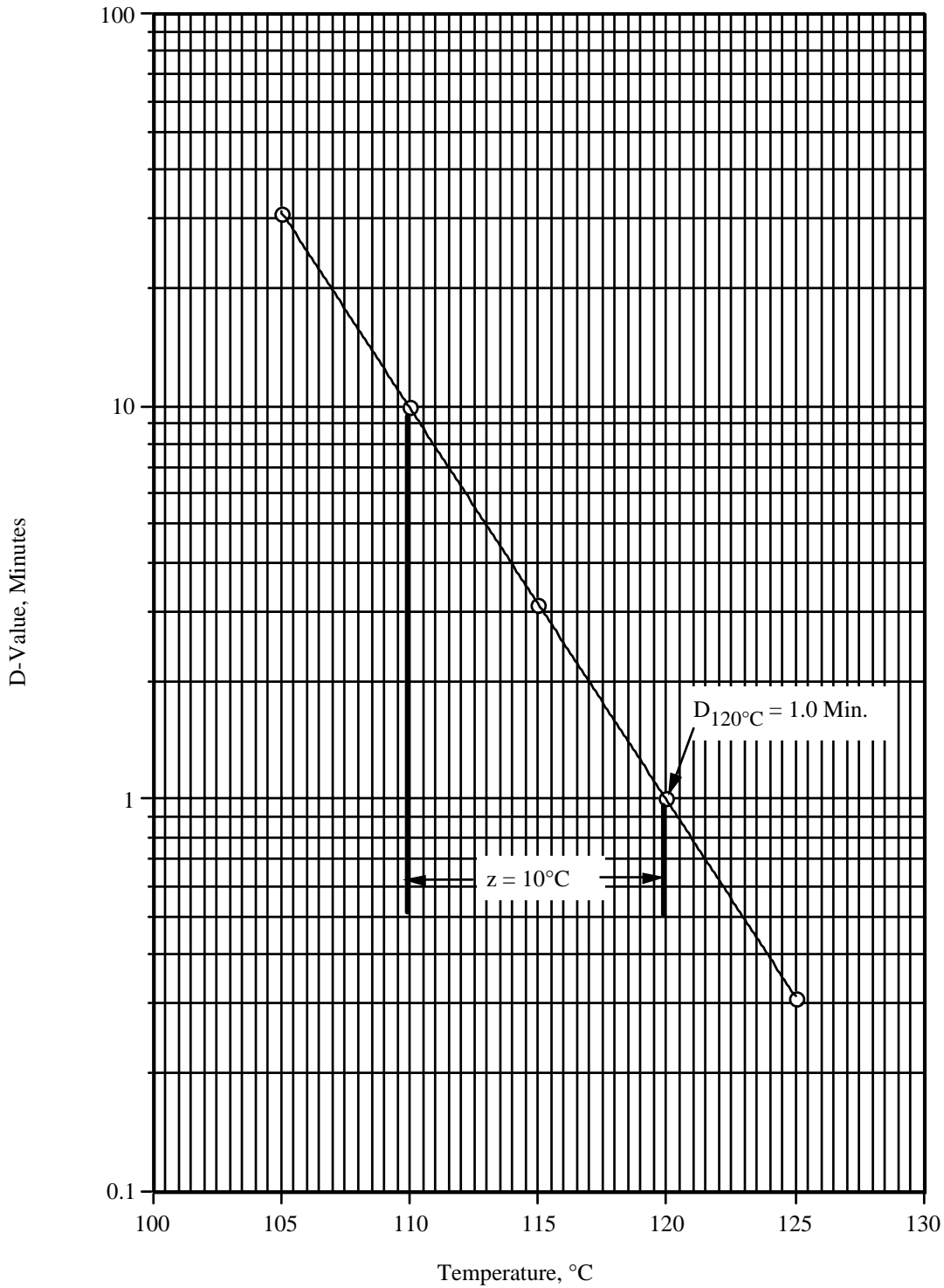


Figure 9.3:  $D_T$ -Values of the Five Survivor Curves on Page 9.5 Plotted to Form a Thermal Resistance Curve

New Figure 2

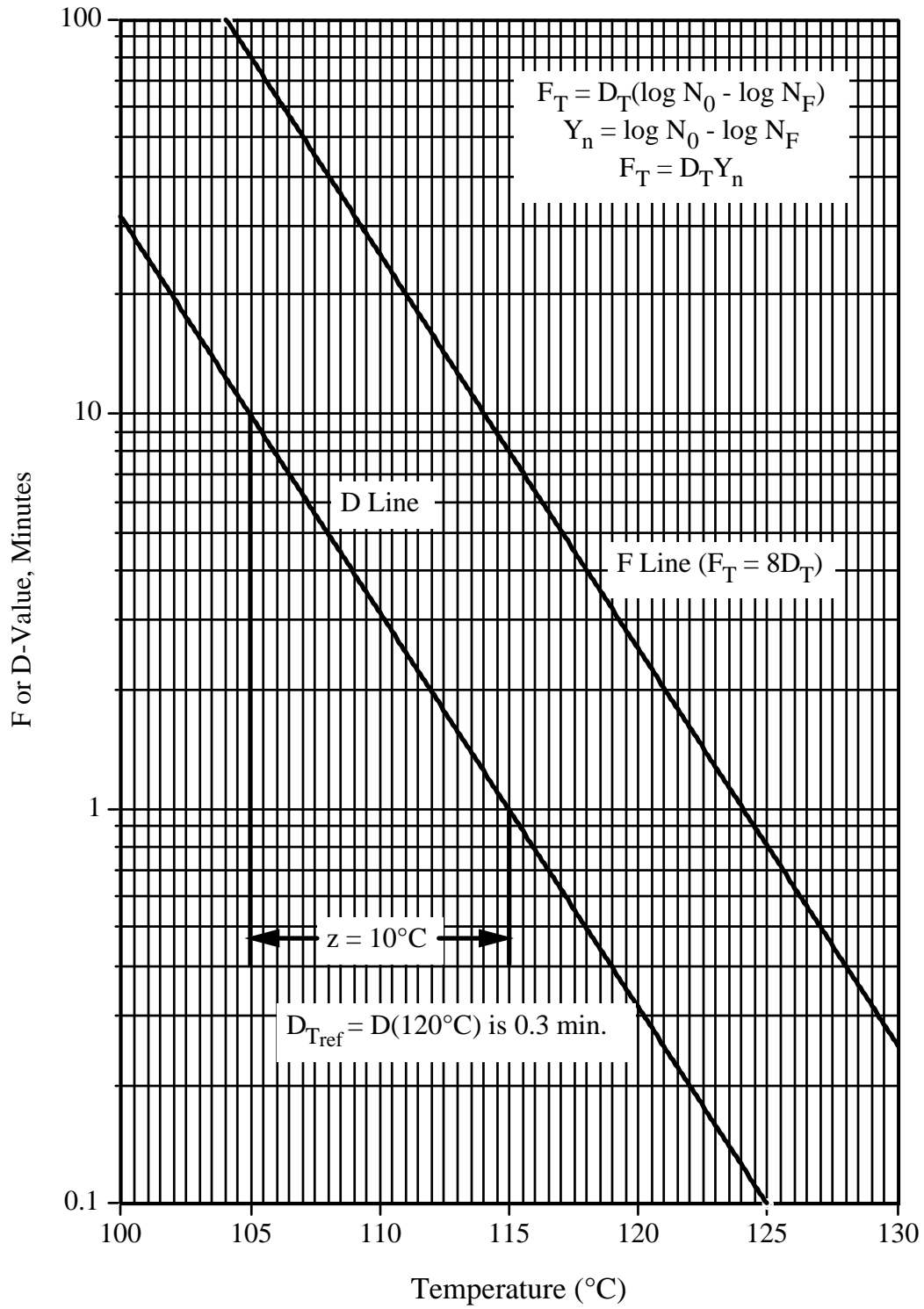
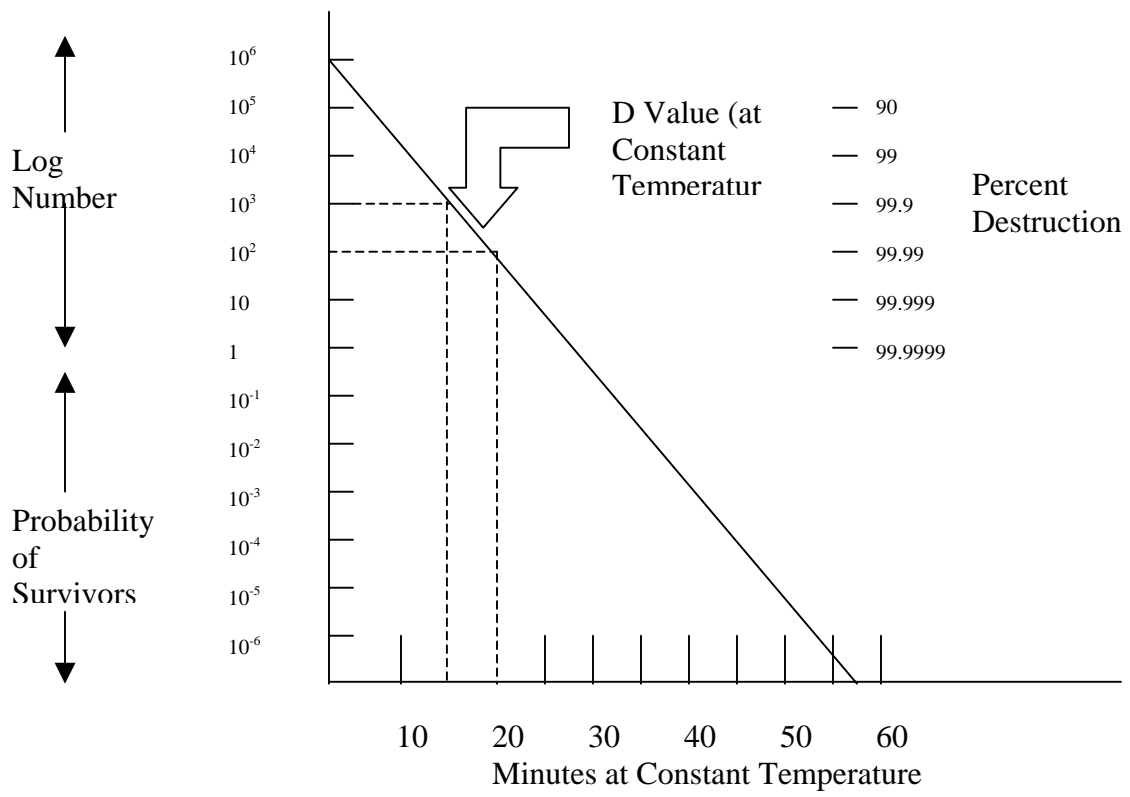


Figure 9.4: z-Value Graph Showing Both the Thermal Resistance Curve (log D vs. T) and the Thermal Death Time Curve (log F vs. T)

New Figure 3



New Figure 4

