

B	I	N	G	O
Thick cell wall	1 endospore	Denatures proteins	Rod shaped bacteria	Nonpathogenic
Anaerobic	Survival in harsh conditions	Ph above 8	121 deg. C at 15psi for 15 min	Steam sterilization
Yellowstone hot springs	4 endospores	FREE	Pathogenic	High in heavy metals
Aerobic	Inner cell membrane	Soil	Na concentration above 7%	Ph below 6
Spiral shaped bacteria	Heat loving	Dormant structure within cell	Oil Wells	55-65 deg. C

B	I	N	G	O
Pathogenic	Nonpathogenic	4 endospores	Steam sterilization	55-65 deg. C
Soil	High in heavy metals	Inner cell membrane	Survival in harsh conditions	121 deg. C at 15psi for 15 min
Yellowstone hot springs	Rod shaped bacteria	FREE	Oil Wells	Anaerobic
Denatures proteins	Ph above 8	Spiral shaped bacteria	Aerobic	Ph below 6
1 endospore	Thick cell wall	pH of 6-8	Antarctica	Dormant structure within cell

B	I	N	G	O
Pathogenic	Anaerobic	Ph below 6	Antarctica	121 deg. C at 15psi for 15 min
1 endospore	pH of 6-8	Denatures proteins	Yellowstone hot springs	Aerobic
Survival in harsh conditions	Spiral shaped bacteria	FREE	Na concentration above 7%	Rod shaped bacteria
55-65 deg. C	Oil Wells	Inner cell membrane	High in heavy metals	4 endospores
Steam sterilization	Nonpathogenic	Dormant structure within cell	Ph above 8	Thick cell wall