



DVD Index Correlation

Adherence: What Sticks Can Make You Sick *2000 and Beyond, Confronting the Microbe Menace*

The following indexed DVD segments may be helpful for teaching bacterial adherence and disease virulence.

Slide: What is a pathogen?	T12C5	08:06
Slide: Pathogenic <i>Escherichia Coli</i>	T12C7	11:11
Photo: Newsweek Headline – Can This Meat Kill You?	T12C8	12:28
Picture: <i>E. coli</i> on Pedestal	T12C9	13:59
Slide: Pathogenic <i>E. coli</i> Virulence Factors	T12C10	15:02
Electron micrograph: Bundle forming pilus	T12C11	15:59
Animation: <i>E. coli</i> adheres to host using the pilus	T12C12	16:30
Demonstration: Student injection of virulence factors (into bagel)	T12C13	17:20
Slide: Injecting Virulence Factors	T12C14	19:12
Illustration: Type III Secretion Systems (into mammalian cell)	T12C14	19:23
Slide: Pathogenic <i>E. coli</i> Injects Its Receptor	T12C15	20:33
Microscopic slide: <i>E. coli</i> affecting host cytoskeleton	T12C16	21:38
Animation: <i>E. coli</i> injecting Type III Secretion System	T12C17	21:56
Microscope slide: Actin polymerization within host cell	T12C18	23:22
Microscope slide: Actin within mutant and normal host cell	T12C88	23:54
Animation: Actin polymerization and pedestal formation	T12C19	24:32
Microscope slides: Pedestal formation on rabbit cells and mutant cells	T12C20	26:15
Slide: Toxins	T12C21	27:08
Slide: Evolution of Pathogenic <i>E. coli</i>	T12C22	28:57
Slide: Evolution of Pathogenic <i>E. coli</i> (continued)	T12C22	29:59
Slide: Potential Therapeutics	T12C23	30:38
Slide: <i>Salmonella</i> Diseases	T12C24	32:27
Microscope slide: Living <i>Salmonella</i>	T12C25	33:22
Slide: <i>Salmonella</i> Adherence	T12C34	34:05
Slide: <i>Salmonella</i> Invasion (Type III Secretion System)	T12C26	34:25
Demonstration: Student helping <i>Salmonella</i> invade Mammalian Cell	T12C27	35:04
Videoclip: <i>Salmonella</i> invading Mammalian Cell	T12C28	36:20
Animation: <i>Salmonella</i> entering Mammalian Cell	T12C29	36:58
Slide: Intracellular <i>Salmonella</i>	T12C30	37:33
Slide: Intracellular Multiplication	T12C30	38:42
Animation: <i>Salmonella</i> Invading Cell	T12C31	39:20
Diagram: Blocking Phagosome and Lysosomal Fusion	T12C32	40:42
Slide: <i>Listeria Monocytogenes</i>	T12C33	42:17
Demonstration: Student showing <i>Listeria</i> movement within cell	T12C34	43:32

Videoclip: Photograph of <i>Listeria</i> movement within cell	T12C36	45:03
Slide: Regulation of Virulence Factors	T12C37	47:22
Slide: The Future of Infectious Bacterial Diseases	T12C38	47:47