

VMD 413. Veterinary Food Safety — Spring, 2006
Second Quiz (20 total points)

1. Name two zoonotic agents that have been known to contaminate food via food animal **manure**. (2 pts)
Campylobacter, Cryptosporidium, E. coli O157, Salmonella, Yersinia, etc.
2. Name a **human-specific** agent that has contaminated food via feces in water. (2 pts)
Cryptosporidium hominis, Cyclospora cayetanensis, hepatitis A virus, norovirus, Shigella, etc.
3. What two potentially foodborne zoonoses have been almost completely controlled at the **farm level**? (2 pts)
Brucella spp., Mycobacterium bovis
4. What system that is intended to control the **intestinal microflora** is represented by Nurmi feeding fecal extracts to chicks or by people taking *Lactobacillus* cultures? (2 pts)
competitive exclusion
5. List two factors that impact the **fates of bacteria in foods**. (2pts)
temperature, water activity, pH, E_h, nutrient availability, competing microorganisms, antimicrobial substances, etc.
6. Name one **psychrotrophic** pathogen that was considered in this course. (2 pts)
Listeria monocytogenes, Yersinia enterocolitica, nonproteolytic Clostridium botulinum
7. List the **types of foods** for which the following two agencies mandate HACCP. (2pts)
 - a. USDA: **Meat and poultry products**
 - b. FDA: **Seafood and fruit juices**
8. To what **pathogenic group** does *E. coli* O157:H7 belong? (2 pts)
EHEC
9. Name a food, **not of animal origin**, that has served as a vehicle in an *E. coli* O157:H7 outbreak. (2 pts)
apple juice, lettuce, salad sprouts
10. What syndrome, sometimes caused by *E. coli* O157:H7, is especially likely to affect **young children**? (2 pts)
HUS, hemolytic uremic syndrome