



IX Food & Water Microbiology 1-5

1 Edible Mushrooms, 2 Standard Plate Count,

3 Methylene Blue Reduction Test

4 Coliform Tests, 5 Coliform Counts



Agaricus bisporus

Food/Water 1 Edible Mushrooms

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- Objectives/Key Words
- Edible Mushrooms
- Cultivated Mushrooms
- **Mushroom Culture** 1-3
- Edible Wild Mushrooms 1-3♦♦
- Asian Mushrooms 1, 2♦, 3
- Australian Mushrooms
- French Mushrooms
- Irish Mushrooms
- Italian Mushrooms
- Spanish Mushrooms 1-3
- 40 interactive pdf pages
- 163 illustrations, 131 images of mushrooms
- ❖ 18 scenic microbiology, 152 images, 5 videos♦
 - ❖ Asian, Australian, French, Irish, Italian, North American, & Spanish Mushrooms
 - ❖ Mushroom Cheeseburger♦, Tokyo
 - ❖ Medicinal Mushrooms 1-3♦♦
 - ❖ Mushroom Meals
 - ❖ Poisonous Mushrooms 1-4
 - ❖ Porcini Mushroom Soup, Princess Cruises
 - ❖ Portobella Mushroom Melt, Wendy's
 - ❖ Truffe Bianco Festival, Volterra, Italy
 - ❖ Truffle Hunt♦, Oak Forests, Rome
 - ❖ Truffles for Lunch, Italian Style♦
- **Food/Water Quick Quiz 1: Edible Mushrooms**
- **Food/Water Question Bank 1.1-1.19♦♦**



aerobic micrococci

Food/Water 2 Standard Plate Count

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- Objectives/Key Words
- Standard Plate Count✓
- Government Standards
- **Standard Plate Count of Raw Milk***✓
- **No Mouth Pipetting**✓
- **Serological Pipettes**✓
- **Serial Dilution of Raw Milk** 1*✓, 2*✓, 3*✓
- **Pour Plates of Raw Milk** 1*✓, 2*✓
- Calculating CFU✓
- 19 interactive pdf pages
- 22 illustrations, 8 images of microbes
- * 6 techniques animations
- ✓ 11 best practice animations
- ❖ 2 scenic microbiology, 7 images
 - ❖ Nestlé Ski D'Lite yoghurt CFU
 - ❖ Pecorino unpasteurized cheeses, Italy
- **Food/Water Quick Quiz 2A: Standard Plate Count**
- **Food/Water Quick Quiz 2B: Best Practice**
- **Food/Water Question Bank 2.1'-2.4**



oxidized/reduced methylene blue

Food/Water 3 Methylene Blue Reduction Test

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- Objectives/Key Words
- Methylene Blue
- Reducing Bacteria✓
- **Methylene Blue Reduction Test***✓
- Methylene Blue Reduction Time*✓
- 9 interactive pdf pages
- 5 illustrations, 2 images of microbes
- * 3 techniques animations
- ✓ 3 best practice animations
- **Food/Water Quick Quiz 3A: MBRT**
- **Food/Water Quick Quiz 3B: Best Practice**
- **Food/Water Question Bank 3.1*✓**

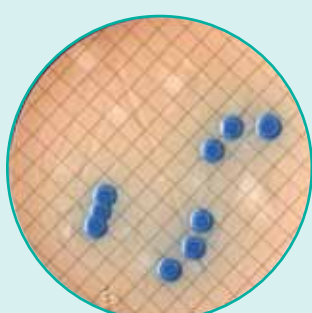


confirmed phase

Food/Water 4 Coliform Tests

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- Objectives/Key Words
- Waterborne Pathogens
- Indicators of Fecal Pollution
- **Lauryl Tryptose Broth**
- **Presumptive Phase***✓
- **Most Probable Number**
- **Brilliant Green Lactose Bile Broth**
- **Confirmed Phase***✓
- **EC Medium**
- **Completed Phase***✓
- 25 interactive pdf pages
- 45 illustrations, 6 images of microbes
- * 3 techniques animations
- ✓ 4 best practice animations
- ❖ 9 scenic microbiology, 33 images, 4 videos♦
 - ❖ Aqueduct Park♦, Rome
 - ❖ Barossa Dam, South Australia
 - ❖ Earthquake, Christchurch, New Zealand
 - ❖ Molly Malone, Dublin, Ireland
 - ❖ Ostia Antica, Rome, Italy
 - ❖ Oyster Farming♦, Gorge Harbour, Canada
 - ❖ San Francisco Plantation, Louisiana
 - ❖ Venetian Rainwater Wells♦
 - ❖ WaterAid♦, Vancouver Skytrain, Canada
- **Food/Water Quick Quiz 4A: Coliform Tests**
- **Food/Water Quick Quiz 4B: Best Practice**
- **Food/Water Question Bank 4.1'-4.9♦♦♦♦**



fecal coliforms on M-FC

Food/Water 5 Coliform Counts

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- Objectives/Key Words
- Membrane Filtration 1*✓
- Government Standards
- **M-Endo Medium**
- **M-FC Medium**
- **Membrane Filtration** 2*✓
- **Incubation Temperatures***✓
- Total Coliforms on M-Endo✓
- Fecal Coliforms on M-FC✓
- 20 interactive pdf pages
- 47 illustrations, 12 images of microbes
- * 2 techniques animations
- ✓ 6 best practice animations
- ❖ 8 scenic microbiology, 31 images, 6 videos♦
 - ❖ Clean Marinas♦, Florida
 - ❖ *Crap from Anyone*, Roche Harbor, WA
 - ❖ Dr. John Snow, Broad Street, London
 - ❖ Freshwater♦, Lahaina, Maui
 - ❖ Rain Gardens♦, Port Townsend, WA
 - ❖ Sunset & Second Beaches♦, Vancouver
 - ❖ Sunset & Second Beaches 2♦
 - ❖ Surfing Manly Beach♦, Sydney, Australia
- **Food/Water Quick Quiz 5A: Coliform Counts**
- **Food/Water Quick Quiz 5B: Best Practice**
- **Food/Water Question Bank 5.1'-5.8♦♦♦♦♦♦**