|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| Type | Organism | Incubation  Period | Source  Risk factors | Clinical | Diagnosis | Treatment |
| Infectious diarrhea  Invasive  Dysentery  Blood+mucous | **Shigella**  **gram-negative rods** | 1-3 Days | Human | Small amount of stool with blood and mucous and lower abdominal pain ( trismus) | Culture on selective media | Ciprofloxacin |
| **Entamoeba histolytica** | 1-3 wks | Contaminated  Food with human excreta | Microscopy | Metronidazole |
| **EIEC**  **gram-negative rods** | 1-3 Days | Contaminated  Food with human excreta | Culture and toxin detection |  |
|  |  |  |  |  |  |  |
| Infectious diarrhea  Non-invasive  Watery +/-blood | **Salmonella**  **gram-negative rods** | 1-3 Days | S.typhi and S.para Human  Others reptiles and snakes | Watery+/-Blood | S.typhi and S.para typhi🡪 typhoid  Others watery diarrhea | Ampicillin or ciprofluxaci or metronidazole or trimethoprim sulfa |
| **campylobacter jejuni**  **small, curved, gram-negative rods** | 1-3 Days | poultry | Watery+/-Blood | **Special media at 42 o C at microaerophilic condition** | Erythromycin |
| **EHEC** | 1-3 Days | beef | Watery then bloody diarrhea  Renal failure | Culture and toxin detection |  |
| **Vibrio cholera**  **Comma-shape**  **gram-negative rods** | 1-3 Days | Salt water | Rice water |  | Ciprofloxacin  Doxycycline |
| **Yersinia**  **Gram Neg bacilli** | 1-3 Days | Pork intestine | Pseudo appendicitis | **Cold enrichment**  **25-30oC**  **CIN (Yersinia)** | Gentamycin |
| **Listeria**  **Monocytogenes**  **Gram pos bacilli** | 2-3 wks | unpasteurized dairy products | Meningitis in neonate and old  Abortion | Ampicillin |
|  |  |  |  |  |  |  |
| Food Poisoning  Watery (preformed toxin) | **Staphylococcus**  **aureus** | 1-6 hour | Contaminated food from human flora | Vomiting then watery diarrhea | Culture and toxin detection | Observation and supportive treatment |
| **Clostridium**  **perfringens** | 8 to 16 hours | Food contaminated with Soil |
| **bacillus cereus**  **spore forming aerobic Gram pos bacilli** | 8 to 16 hours | 8 to 16 hours |
|  |  |  |  |  |  |  |
| Travelers | **ETEC** | 1-3 Days | Travel | Watery diarrhea | Culture  Toxin detection | ciprofloxacin |
|  |  |  |  |  |  |  |
| Antibiotics Associated | **Clostridium**  **Difficile** | 1-3 Days | Antibiotics use  patient🡪 patient | Bloody diarrhea  Toxin A and B | Toxin detection PCR | Metronidazole +/- Vancomycin |