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| Soggetti | Parasitology Food—Biotechnology Food Science |
| Lingua di pubblicazione | Inglese |
| Formato | Materiale a stampa |
| Livello bibliografico | Monografia |
| Note generali | Description based upon print version of record. |
| Nota di bibliografia | Includes bibliographical references. |
| Nota di contenuto | Introduction to the parasite: biology (including species and genotypes), lifecycle, pathology, treatment -- Transmission routes and factors that lend themselves to foodborne transmission -- Documented foodborne outbreaks -- Approaches to detecting Giardia cysts in different food matrices -- Occurrence of Giardia cysts in different food matrices: results of surveys -- Inactivation or decontamination procedures -- Risk assessment and regulations -- Future challenges -- Conclusions -- References. |
| Sommario/riassunto | Although widely recognized as an important waterborne pathogen, Giardia duodenalis can also be transmitted by contamination of food. The same properties of this protozoan parasite that mean that water is an excellent transmission vehicle are also important for foodborne transmission. These include the low infective dose, the high number of cysts that are excreted, and the robustness of these transmission stages. However, many more outbreaks of waterborne giardiasis have been reported than foodborne outbreaks. This is probably partly due to epidemiological tracing being much more difficult for foodborne outbreaks than waterborne outbreaks, and the number of persons exposed to infection often being fewer. Nevertheless, the potential importance of foodborne transmission is |

gradually being recognized, and a wide range of different foodstuffs have been associated with those outbreaks that have been recorded. Additionally, various factors mean that the potential for foodborne transmission is becoming of increasing importance: these include the growth of international food trade, a current trend for eating raw or very lightly cooked foods, and the rise in small-scale organic farms, where there the possibility for contamination of vegetable crops with animal faeces may be greater.
