

Capítulo 5

Bibliografía

Bibliografía

Alexopoulos, C.J., Mims, C.W. & Blackwell, M. (1996) *Introductory Mycology*. John Wiley & Sons, New York.

Alvarez, C.I.V. (1993) Mycological Characterization of Raw and Filtered Water in the Três Rios Treatment Plant. *Revista de Biología Tropical*, 41; 417-422. Costa Rica.

Amann, R., Binder, B. J., Olson, R. J., Chisholm, S. W., Devereux, R. & Stahl, D.A. (1990). Combination of 16s rRNA-targeted oligonucleotide probes with flow cytometry for analysing mixed microbial populations. *Applied and Environmental Microbiology*, 56; 1919-1925.

Amann, R., Fuchs, B.M. & Behrens, S. (2001) The identification of microorganisms by fluorescence *in situ* hybridisation. *Current Opinion in Biotechnology*, 12; 231-236.

Arndt-Jovin, D.J. & Jovin, T.M. (1989) Fluorescence labeling and microscopy of DNA. In "Methods in cell biology. Part B". (Eds Wang, Y. & Taylor D.L.) Academic Press, San Diego.

Baker, B.J., Lutz, M.A., Dawson, S.C., Bond, P.L. & Banfield, J.F. (2004) Metabolically active eukaryotic communities in extremely acidic mine drainage. *Applied and Environmental Microbiology*, 70; 6264-6271.

Baker, B. J., Lutz, M. A., Dawson, S. C., Bond P. L., Banfield J. F. (2004) Metabolically active eukaryotic communities in extremely acidic mine drainage. *Applied and Environmental Microbiology*, 70; 6264-6271.

Baselski, V.S., Robison, M.K., Pifer, L.W. & Woods, D.R. (1990) Rapid detection of *Pneumocystis carinii* in bronchoalveolar lavage samples by using Cellufluor staining. *Journal of clinical microbiology*, 28; 393-394.

CAPÍTULO 5. BIBLIOGRAFIA

Behrens, S., Ruhland, C., Inácio, J., Huber, H., Fonseca, A., Spencer-Martins, I., Fuchs, B. M. & Amann R. (2003) In Situ Accessibility of Small-Subunit rRna of members of the Domains Bacteria, Archaea, and Eucarya to Cy3-Labeled Oligonucleotide Probes. *Applied and Environmental Microbiology*, 69; 1748-1758.

Berridge, M.V. & Tan, A.S. (1993) Characterization of the cellular reduction of 3-(4,5-dimethylthiazol-2-yl)-2,5-diphenyltetrazolium bromide (MTT): sub-cellular localization, substrate dependence, and involvement of mitochondrial electron transport in MTT reduction. *Archives of Biochemistry and Biophysics*, 303; 474-482.

Berridge, M.V., Tan, A.S., McCorry, K.D. & Wang, R. (1996) The biochemical and cellular basis of cell proliferation assays that use tetrazolium salts. *Biochemica*, 4; 15-20.

Betina, V. (1989) Bioactive Molecules. Volume 9: *Mycotoxins – Chemical, biological and environmental aspects*. Elsevier. Amsterdam.

Bochner B.R. & Savageau M.A. (2001) Generalized Indicator Plate for Genetic, Metabolic, and Taxonomic Studies with Microorganisms. *Applied and Environmental Microbiology*, 33 (2); 434-444.

Brasil, K.W., Pinheiro, R.L. & Pimentel, I.C. (2003) Diagnóstico laboratorial de micoses superficiais e cutâneas: comparação dos métodos do hidróxido de potássio e do Calcofluor White. *Anais Brasileiros de Dermatologia*, 78 (5); 547-551.

Chilvers, K.F., Reed, R.H. & Perry, J.D. (1999) Phototoxicity of Rose Bengal in Mycological media – implication for laboratory practise. *Letters in Applied Microbiology*, 28; 103-107.

Cox, P.W., Paul, G.C. & Thomas, C.R. (1998) Image analysis of the morphology of filamentous microorganisms. *Microbiology*, 144; 817-827.

Cox, P.W. & Thomas, C.R. (1999) Assessment of the activity of filamentous fungi using Mag fura. *Mycological Research*, 103; 757-763.

Cox, P.W., & Thomas, C.R. (1999) Mag fura staining of fungi. *Biotechnology Techniques*, 13; 719-722.

Dias, N., Nicolau, A., Lima, N., Carvalho, G.S., Mota, M. (1998) The use of immunocytochemical methods for toxicity assessment in *Tetrahymena pyriformis*. *Cuadernos de investigación biológica*, 20; 75-78.

Dias, N.M. (2003) Estudos citológicos e fisiológicos em *Tetrahymena Pyriformis* sujeita ao contacto com compostos tóxicos. Universidade do Minho. Departamento de Engenharia Biológica. Braga.

De los Rios, A., Wierzchos, J., Sancho, L.G. & Ascaso, C. (2004) Exploring the physiological state of continental Antarctic endolithic microorganisms by microscopic. *FEMS Microbiology Ecology*, 50; 143-152.

Freimoser, F.M., Jakob, C.A., Aebi, M. & Tuor, U. (1999) The MTT [3-(4,5-Dimethylthiazol-2-yl)-2,5-Diphenyltetrazolium Bromide] Assay Is a Fast and Reliable Method for Colorimetric Determination of Fungal Cell Densities. *Applied and Environmental Microbiology*, 65 (8); 3427-3729.

Giloh, H. & Sedat, J.W. (1982) Fluorescence microscopy: reduce photobleaching of rhodamine and fluorescein protein conjugates by n-propyl gallate. *Science*, 217; 1252-1255.

Gonçalves, A.B., Paterson, R.R.M. & Lima, N. (2006) Survey and significance of filamentous fungi from tap water. *International Journal of Hygiene and Environmental Health*.

Hanelt, M., Gareis, M. & Kollarczik, B. (1994) Cytotoxicity of micotoxins evaluated by the MTT-cell culture assay. *Micopathologia*, 128; 167-174.

Hawksworth, D.L. (1991) The fungal dimension of biodiversity: magnitude, significance and conservation. *Mycological Research*, 95; 641-655.

CAPÍTULO 5. BIBLIOGRAFIA

Hawksworth, D.L. (2001) The magnitude of fungal diversity: the 1,5 millions species estimate resited. *Mycological Research*, 105; 1422-1432.

Hawksworth, D.L. (2004) Fungal diversity and its implications for genetic resource collections. *Studies in Mycology*, 50; 9-18.

Hawksworth, D.L., Kirk, P.M., Sutton, B.C. & Pegler, D.N. (1995) *Ainsworth & Bisb's Dictionary of the Fungi*. 8th Edition, CAB – International Mycological Institute, Surrey.

Howard, G.C. (2003) Introduction to fluorescent labeling. In “*Methods in nonradioactive detection*”. (Ed. Howard, G.C.) pp. 40-43. (Appleton & Lange: Norwalk).

Jensen, T.K., Boye, M. & Bille-Hansen V. (2001) Application of fluorescent in situ hybridisation of *Pneumocystis carinii* pneumonia in foals and pigs. *Veterinary Pathology*, 38; 269-274.

Keevil, C.W., Rogers, J. & Walker, J.T. (1995) Potable-water Biofilms. *Microbiology*, 3; 10-14.

Kelley, J., Kinsey, G., Paterson, R., Brayford, D., Pitchers, R. & Rossmore, H. (2003) *Identification and control of fungi in distribution systems*, Awwa Research Foundation.

Kornerup, A. & Wanscher, J.H. (1967) *Methuen Guide of Colour*. Methuen & Co. Ltd., London.

Levitz S.M. & Diamond R.D. (1985) A Rapid Colorimetric Assay of Fungal Viability with the Tetrazolium Salt MTT. *The Journal of Infectious Diseases*, 152; 938-945.

Levitz, S.M. & Diamond, R.D. (1985) A Rapid Colorimetric Assay of Fungal Viability with the Tetrazolium Salt MTT. *The Journal of Infectious Diseases*, 152 (5); 938-945.

Li, S., Spear, R.N. & Andrews, J.H. (1997) Quantitative Fluorescence in situ hybridisation of *Aureobasidium pullulans* on microscope slides and leaf surfaces. *Applied and Environmental Microbiology*, 63; 3261-3267.

Linder, M., Winiecka-Krusnell, J. & Linder, E. (2002) Use of recombinant cellulose-binding domains of *Trichoderma reesei* cellulase as a selective immunocytochemical marker for cellulose in Protozoa. *Applied and Environmental Microbiology*, 68; 2503-2508.

Liu, Y., Paterson, D.A., Kimura, H. & Schubert, D. (1997) Mechanism of Cellular 3-(4,5-Dimethylthiazol-2-yl)-2,5-Diphenyltetrazolium Bromide (MTT) Reduction. *Journal of Neurochemistry*, 69; 581-593.

Lopes, M.C. (2002) Micobiotica da filosfera In *Ecologia dos Fundos* (Santos, I.M., Venâncio, A. & Lima, N., eds.), pp. 31-45. Micoteca da Universidade do Minho, Braga, Portugal.

Moter, A. & Gobel, U.B. (2000) Fluorescence in situ hybridisation for direct visalization of microorganisms. *Journal of Microbiological Methods*, 41; 85-112.

Muller, E., Drewello, U., Drewello, R., Weibmann, R. & Wuertz, S. (2001) In situ analysis of biofilms on historic window glass using confocal laser scanning microscopy. *Journal of Culture Heritage*, 2; 31-42.

Malich, G., Markovic, B. & Winder, C. (1997) The sensivity and specificity of the MTS tetrazolium assays for detecting the in vitro cytotoxicity of 20 chemicals using human cell lines. *Toxicology*, 124; 179-192.

Mallevalle, J. & Suffet, I.H. (1987) Treatment of Tastes and Odors in Potable-Water Supplies. In *Identification and Treatment of Tastes and Odors in Drinking Water*. Denver, Colo.: Awwa R.F. and Lyonnaise des Eaux.

Millard, P.J., Roth B.L., Truong T.H., Yue S.T. & Haugland R.P. (1997) Development of the FUN-1 family of fluorescent probes for vacuole labeling and viability testing of yeast. *Applied and Enviromental Microbiology*. 63; 2897-2905.

Meuwis, K. (1998) Photophysics of Mag-fura-2: a fluorescent indicator for intacellular Mg²⁺. *Chemical Physics Letters*, 287; 412-420.

CAPÍTULO 5. BIBLIOGRAFIA

Monheit, J.E, Cowan, D.F. & Moore, D.G. (1984) Rapid detection of fungi in tissues using calcofluor white and fluorescence microscopy. *Arch. Pathol. Lab. Med.*, 108; 616-618.

Monteil, A., Rigal, S & Welte, B (1999) Study of the Origin of Musty Taste in the Drinking Water Supply. *Water science and Technology*, 40 (6); 171-178.

Moss, M.O. (1987) Fungal biotechnology roundup. *Mycologist*, 21; 55-58.

Mossman, T. (1983) Rapid colorimetric assay for cellular growth and survival: application to proliferation and cytotoxicity assays. *Journal of Immunology Methods*, 65; 55-63.

Nagy, L.A. & Olson, B.H. (1982) The Occurrence Of Filamentous Fungi in Drinking Water distribution Systems. *Canadian Journal of Microbiology*, 28; 667-671.

Nagy, L.A., & Olson, B.H. (1985) Occurrence and Significance of Bacteria, Fungi and Yeasts Associated With Distribution Pipe Surfaces. In *Proceedings of the Water Quality Technology Conference*. Denver, Awwa Research Foundation.

Nagy, L.A., & Olson, B.H. (1986) A Comparison of Media for the Enumeration of Filamentous Fungi of Aquaduct Biofilm. *Zentralblatt fur Bakteriologie und Hygiene B*, 182; 478-484.

Niemi, R.M., Knuth, S. & Lundstrom, K. (1982) Actinomycetes and Fungi in Surface Waters and in Potable Water. *Applied Environmental Microbiology*, 43; 378-388.

Nyström, A., Grimvall, A., Krantz-Rülcker, C., Sävenhed, R. & Åkerstrand, K. (1992) Drinking Water Off-Flavour Caused by 2,4,6-Trichloroanisole. *Water Science and Technology*, 25; 241-249.

Oliveira, A. (1998) Microbiologia do Solo In *Microbiologia – Volume I* (Ferreira, W. & Sousa, J.), pp. 271-283. Lidel, edições técnicas, Lisboa, Portugal.

Oliveira, M., Andrade, G., Guerra, M. & Bernardo, F. (2003). Development of a fluorescent in situ hybridisation protocol for the rapid detection and enumeration of *Listeria monocytogenes* em leite. *Revista Portuguesa de Ciências Veterinárias*, 98; 119-124.

Pampulha, M.E. (1998) Microbiologia do Solo In *Microbiologia – Volume I* (Ferreira, W. & Sousa, J.), pp. 81-98. Lidel, edições técnicas, Lisboa, Portugal.

Paterson, R.R.M. & Lima, N. (2005) Fungal contamination of drinking water. *Water Encyclopedia: Water quality control*. John Wiley & Sons, Inc. DOI: 10.1002/047147844X.wq1516.

Paterson, R.R.M., Venâncio, A. & Lima, N. (2004) Solutions to *Penicillium* taxonomy crucial to mycotoxin research and health, *Research in Microbiology*, 155; 507–513.

Pereira, L.J.A. (2001) Isolamento de fungos filamentosos e produção de micotoxinas em uvas. Universidade do Minho. Departamento de Engenharia Biológica. Braga.

Pitt, J.I. (1988) A laboratory guide to common *Penicillium* species. *Commonwealth scientific and industrial research organisation division of food processing*. Australia.

Pitt, J.I. (1991) A laboratory guide to common *Penicillium* species. *Commonwealth scientific and industrial research organisation division of food processing*. Australia.

Pitt, J.I. & Hocking, A.D. (1997) *Fungi and Food Spoilage*, 2nd Ed. Blakie Academic & Professional, London.

Pitt, J.I. & Klich, M.A. (1994) A laboratory guide to common *Aspergillus* species and their telomorphs. *Commonwealth scientific and industrial research organisation division of food processing*. Australia.

Praveen-Kumar, J.C. & Tarafdar (2003) 2,3,5-Triphenyltetrazolium chloride (TTC) as electron acceptor of culturable soil bacteria, fungi and actinomycetes. *Biol. Fertil. Soils*, 38; 186-489.

Raper, K.B. & Thom (1949) *A manual of the Penicillia*. Baltimore: Williams & Wilkins.

Robins, R.K., Batt, C.A. & Patel, P.D. (2000) *Encyclopedia of food microbiology*. Academic Press. San Diego.

CAPÍTULO 5. BIBLIOGRAFIA

Rodriguez, G.G., Phipps, D., Ishiguro, K. & Ridgway, H.F. (1992) Fluorescent redox probe for direct visualization of actively respiring bacteria. *Applied Environmental Microbiology*, 58; 1801-1808.

Rosenzweig, W.D., Minnigh, H.A. & Pipes, W.O. (1986) Fungi in Potable Water Distribution Systems. *Jour. AWWA*, 78; 53-55.

Rosenzweig, W.D. & Pipes, W.O. (1988a) Presence of Fungi in Drinking Water. In *Biohazards of drinking Water treatment. Proceeding of the 194th American Chemical Society National Meeting* (Eds. Larson, R.A. & Washington, D.C). American Chemical Society.

Rosenzweig, W.D. & Pipes, W.O. (1988b) Fungi from Potable Water: Interaction With Chlorine and Engineering Effects. *Water Sci. and Technol.*, 20; 153-159.

Rost, F.W.D. (1995) *Fluorescence microscopy* – Volume II. Cambridge University Press.

Santos, I.T.M. (2004) Contributos para a implementação de uma colecção de culturas de fungos filamentosos. *Universidade do Minho*. Departamento de Engenharia Biológica. Braga.

Santos, I.M., Venâncio, A. & Lima, N. (1998) Fungos contaminantes na indústria alimentar. *Micoteca da Universidade do Minho*, Centro de Engenharia Biológica, Braga.

Samson, R.A., Hoeskstra, E.S., Frisvad, J.C. & Filtenborg, O. (1996) Introduction to Food-Borne Fungi. Fifth Edition, *Centraalbureau voor Schimmelcultures*. Baarn.

Sasaki, C.Y. & Passaniti, A. (1998) Identification of anti-invasive but noncytotoxic chemotherapeutic agents using the tetrazolium dye MTT to quantitate viable cells in matrigel. *Cancer Research Techniques*, 24; 1038-1043.

Sharma, R.P. & Salunkhe, D.K. (1991). *Mycotoxins and phytoalexins*. CCR Press. Boca Raton.

Slater, T.F., Sawyer, B. & Strauli, U. (1963) Studies on succinate-tetrazolium reductase systems. III. Points of coupling of four different tetrazolium salts. *Biochemical Biophysics Acta*, 77; 383-393.

Smith, D. (2003) Why should the traditional Culture Collection become na Accredited Biological Resource Centre? In *Biological Resource Centres and the use of microbes* (Lima, N. & Smith, D., eds.), pp. 389-403. Micoteca da Universidade do Minho, Braga, Portugal.

Stentelaire, C., Antoine, N., Cabrol, C., Feron, G. & Durand, A. (2001) Developmente of a rapid and highly sensitive biochemical method for the measurement of fungal spore viability. An alternative to the CFU Method. *Enzyme and Microbial Technology*, 29; 560-566.

Tanke, H.J. (1991) Flow cytometry. In "*Quantative fluorescence microscopy*". (Ed. Rost, F.W.D.) pp. 147-161. (Cambridge University Press: Cambridge).

Tavares, S., Inácio, J., Fonseca, A. & Oliveira, C. (2004) Direct detection of *Taphrina deformans* on peach trees using molecular methods. *European Journal of Plant Pathology* 00, 1-10.

Taylor, D.L. & Salmon, E.D. (1989) Basic fluorecence microscopy. In "*Fluorescence Microscopy of Living Cells in Culture*" (Eds Y Wang and DL Taylor) pp. 207-237. (Academic Press: San Diego)

Turner, W.B. & Aldridge, D.C. (1983) *Fungal Metabolites II*. London: Academic Press.

Valente, L., Santos, I.M. & Lima, N. (2002) Implementação de técnicas para avaliação do potencial degradativo de compostos naturais por fungos In *Ecologia dos Fungos* (Santos, I.M., Venâncio, A. & Lima, N., eds.), pp. 67-82. Micoteca da Universidade do Minho, Braga, Portugal.

Vistica, D.T., Skehan, P., Scudiero, D., Monks, A., Pittman, A. & Boyd, M.R. (1991) Tetrazolium-based assays for cellular viability: a critical examination of selected parameters affecting formazan production. *Cancer Research*, 51; 2515-2520.

Wagooner, A., DeBasio, R., Conrad, P., Bright, G.R., Ernst, L., Rian, K., Nederlof, M. & Taylor, D. (1989) Multiple spectral Parameter imaging. In " *Methods in cell biology. Part B*". (Eds Y Wang and DL Taylor) (Academic Press: San Diego)

CAPÍTULO 5. BIBLIOGRAFIA

Wainwright, M. (1993) Oligotrophic growth of fungi – stress or natural state? In *Stress Tolerance of Fungi* (Jenning D.M., ed.), pp. 127-144. Marcel Dekker, New York.

Wainwright, M. (1992) *An Introduction to Fungal Biotechnology*. John Wiley & Sons, Chichester.

Wenisch, C. & Linnau, K.F. (1997) Rapid susceptibility testing of fungi by flow cytometry using vital staining. *Journal of Clinical microbiology*, 35 (1); 5-10.

West, P.R. (1986) Isolation Rates and Characterization of Fungi in Drinking Water Distribution Systems. In *Proceedings of the Water Quality Technol. Conference*. Denver, Colo.: AWWA.

Whitaker, R.H. (1969) New concepts of kingdoms of organisms. *Science*, 163; 150-160.

Zucker, R.M. & Price, O.T. (1999) Practical confocal microscopy and the evaluation of system performance. *Methods*, 18; 447-458.