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Microbiological analysis of liquid oral drugs in Lagos state, Nigeria

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This present study attempts to determine the microbiological quality of liquid preparation used as medication in Lagos State and its environs. 253 different types of oral liquid drugs (200 syrups and 53 suspensions) manufactured in different pharmaceutical industries of Nigeria were microbiologically examined using standard biochemical methods. All the samples tested were not found to be contaminated with fungi. Thirteen percent of the syrups were found to be contaminated with fungi with a maximum load of 10³ and 10⁴ while the remaining 87% yielded no growth. The presence of microorganisms in the oral liquid samples might explain the treatment complicity of the diseased children. Therefore, microbiological quality of such drugs is thus suggested.

Recent Publications

1. Pruss Ustun A and Corvalán C (2006) Preventing disease through healthy environments: towards an estimate of the environmental burden of disease. *International Journal of Pharmaceutical Science*. 5(4):479-482.
2. United State Pharmacopeia (2003) Microbiological examination of non-sterile product. Tests for specified microorganisms. *Journal of Pharmaceutical Forum*. 29(5):1722-1733.
3. Mugoyela V and Mwambete K D (2010) Microbial contamination of non-sterile pharmaceutical in hospital settings. *Journal of Therapeutics and Clinical Risk Management*. 6:443-448.
4. Moniruzzaman M, Ashrafi M F and Mia Z (2012) Qualitative and quantitative microbiological studies of antacid and paracetamol suspension from different drugstores. *Journal of Biological Science*. 21:(1):105-107.

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