Seminários de Física

Centro de Física da Universidade do Minho





Resumo: Nuclear Magnetic Resonance (NMR) is a powerful reliable analytical technique and an information-rich method with a wide range of applications. Measuring small and ultra-small samples is not possible due to the NMR limit of detection (LOD); therefore, we invented a planar microslot NMR detector, and we combined it with a microfluidic NMR holder for picomolar biological samples. For real time in vitro studies, temperature and proper gas atmosphere were controlled to ensure the viability of the cell cultures at near physiological conditions.