

Supplementary Information

Pulsed 3.5 GHz high power microwaves irradiation on physiological solution and their biological evaluation on human cell lines

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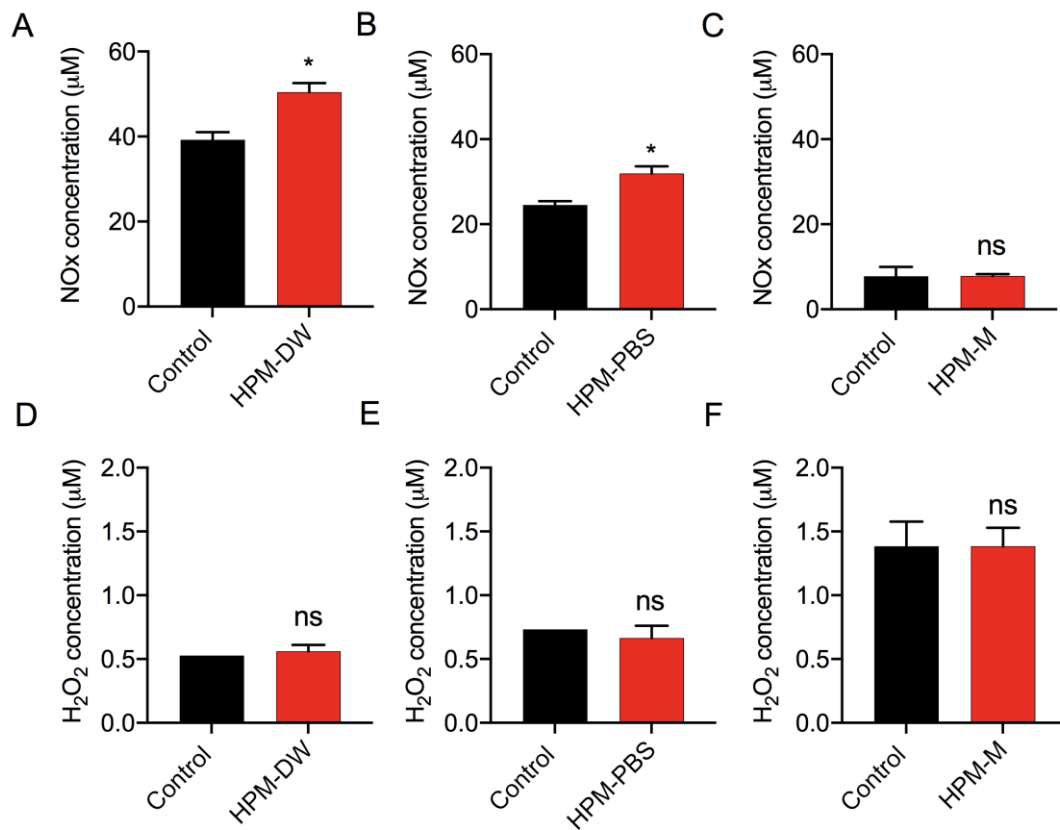


Fig S1. Evaluation of reactive species after HPM-irradiation of solutions. Representative graphs showing levels of NO_x in A) HPM-DW B) HPM-PBS and C) HPM-Medium. Respresntative graphs showing levels of H₂O₂ in D) HPM-DW E) HPM-PBS and F) HPM-Medium. Non-significance is signified as ns. * $p < 0.05$.

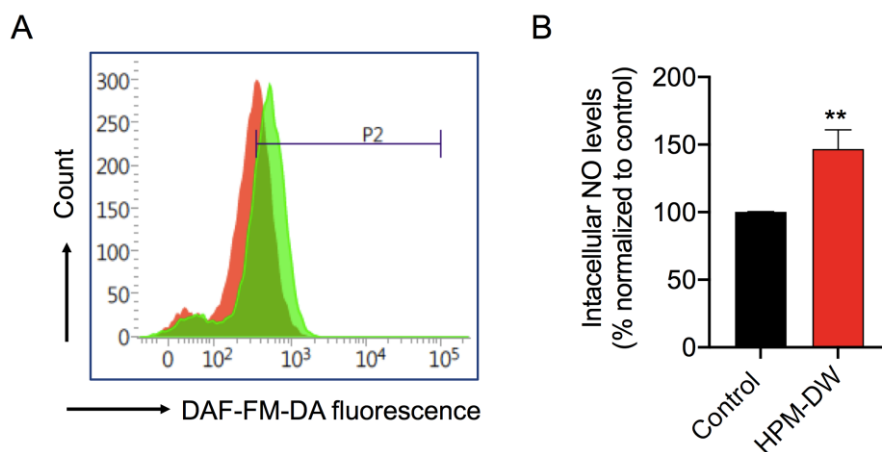


Fig S2. Effect of HPM-irradiated solutions on intracellular NO levels. Representative histogram (A) and corresponding bar graph (B) showing DAF-FM-DA fluorescence as an indicator of intracellular NO in U373MG cells stained with DAF-FM Diacetate. ** $p < 0.01$