

# Fe<sub>3</sub>O<sub>4</sub>-PAA-(HP-γ-CDs) Biocompatible Ferrimagnetic Nanoparticles for Increasing the Efficacy in Superparamagnetic Hyperthermia

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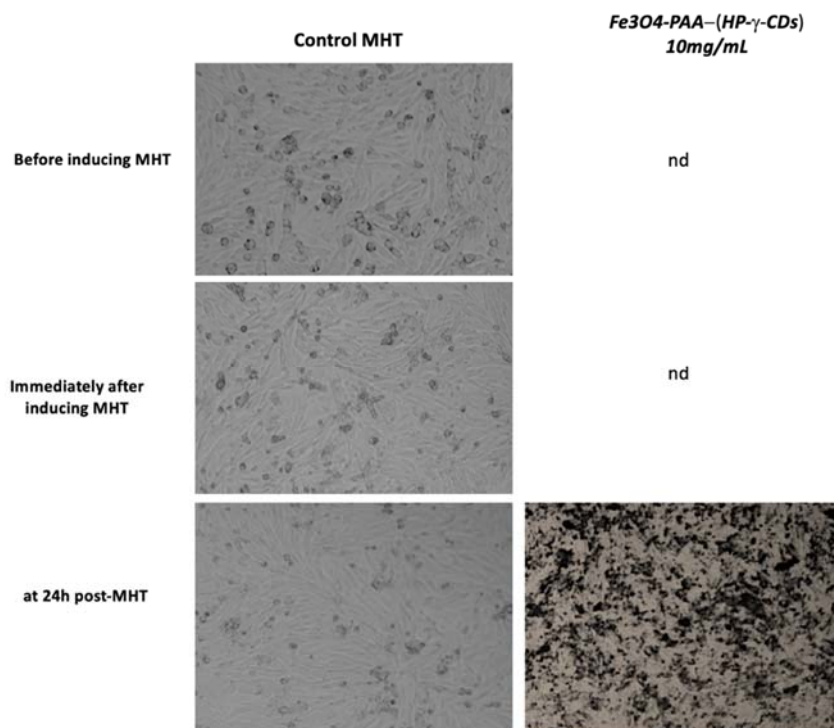
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**Figure S1.** Morphological aspects of immortalized human keratinocytes (HaCaT), before and after inducing magnetic hyperthermia (MHT). The photos were taken using an inverted microscope (Optika Microscopes Optikam Pro Cool 5 and Optikam View), employing magnification of 10x magnification; nd - not determined.

The morphology of the cells treated with 10 mg/mL of Fe<sub>3</sub>O<sub>4</sub>-PAA-(HP-γ-CDs) under hyperthermic conditions could be observed after 24h post-exposure, when multiple washes steps of the cell culture plate with 1x PBS (phosphate buffer saline) were employed and a significant part of the compound was removed, thus allowing the capturing of images with an inverted microscope. Before performing the washing steps, the cell morphology could not be determined (nd), due to the high concentration of Fe<sub>3</sub>O<sub>4</sub>-PAA-(HP-γ-CDs) that induced high opacity.

However, at 24h post-MHT, the images indicate that no significant cell morphology alterations occurred when comparing the control cells with the cells treated with Fe<sub>3</sub>O<sub>4</sub>-PAA-(HP-γ-CDs); a high cell confluence being observed for both groups: control cells and Fe<sub>3</sub>O<sub>4</sub>-PAA-(HP-γ-CDs)-treated cells, maintained under the same MHT parameters.