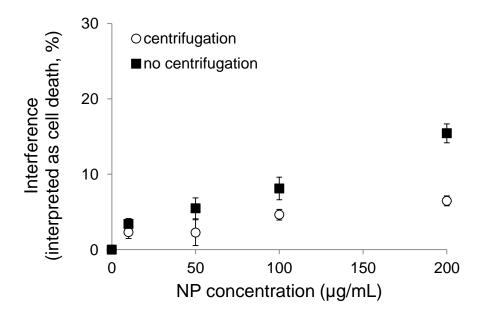
## Assessment of NP interference with MTT assay

To assess NP interference with MTT assay, control cells were incubated with a 0.5 mg/mL MTT solution. After 2 h at 37°C, the medium was removed and formazan crystals were dissolved in DMSO. To these solutions were then added 10-1000  $\mu$ g/mL of TiO<sub>2</sub>-NPs. After 5 min at 37 °C, the absorbance was read on either non-centrifuged or centrifuged plates. The results show that the interference of TiO<sub>2</sub>-NPs with MTT is lowered (Figure 1). On wells exposed to 50  $\mu$ g/mL NPs and centrifuged, the residual interference would lead to interpretation of a 2.25  $\pm$  1.72% cell death, which is not statistically significant. Conversely on non-centrifuged wells, the misinterpretation would lead to a significant 5.47  $\pm$  1.38% false-positive cell death. Metabolic activity was determined as a percentage of the negative controls (n=5).



**Figure 1.** NP interference with MTT assay. Interference was probed by TiO<sub>2</sub>-NP addition to dissolved formazan crystals.