

# **Magnetically guided central nervous system delivery and toxicity evaluation of magneto-electric nanocarriers**

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## **Legends for supplementary figure**

Fig S-1: Particles size distribution of MENCs

Fig S-2: ICP-MS study to quantify MENCs concentration at brain. Two calibration curves were established with respect to Ti (A) and Fe (B) ion known concentration. These curves were used estimate concentration of Ti and Fe ion in control and MENCs injected mice.

Fig S-3. H&E staining of control (A) and MENCs injected (B) mice lung.

## **Video Legends**

Video S-A: Demonstration sensorimotor activities of mice after days 2 and 7 of MENCs challenge. Indicated treatments are: Control (no injection), PBS (saline, I.V.) and MENCs (10 mg/kg, I.V.). Mice tested after day 2 were re-tested at day 7 and the results from each day are shown Grip strength,

Video S-B: Demonstration sensorimotor activities of mice after days 2 and 7 of MENCs challenge. Indicated treatments are: Control (no injection), PBS (saline, I.V.) and MENCs (10 mg/kg, I.V.). Mice tested after day 2 were re-tested at day 7 and the results from each day are shown Horizontal bar,

Video S-C: Demonstration sensorimotor activities of mice after days 2 and 7 of MENCs challenge. Indicated treatments are: Control (no injection), PBS (saline, I.V.) and MENCs (10 mg/kg, I.V.). Mice tested after day 2 were re-tested at day 7 and the results from each day are shown Accelerating rotarod.

Fig S-1:

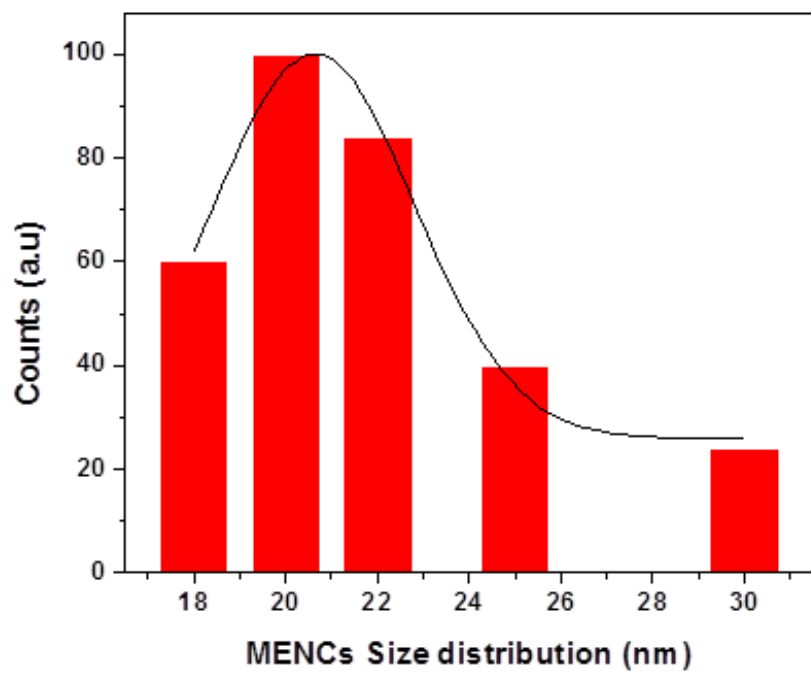


Fig S-2

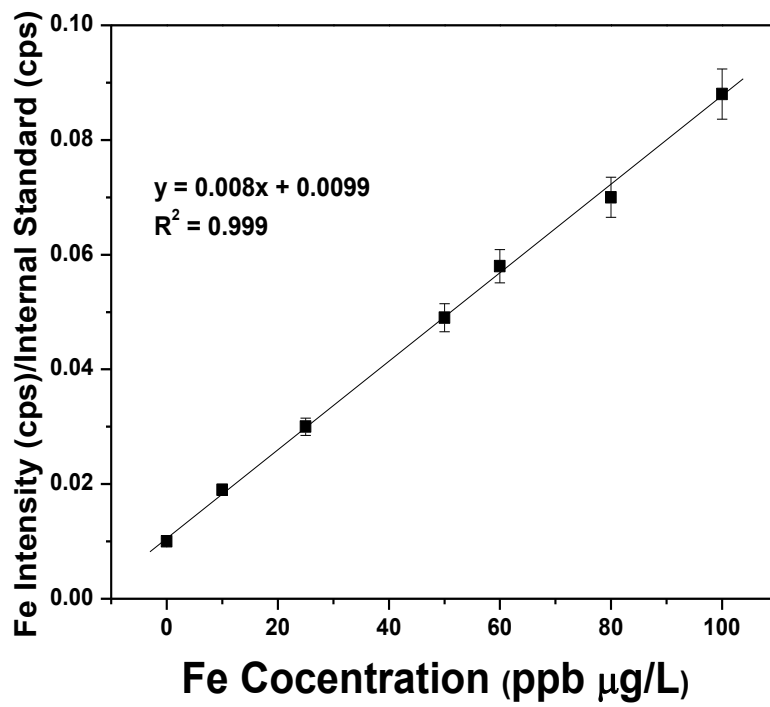
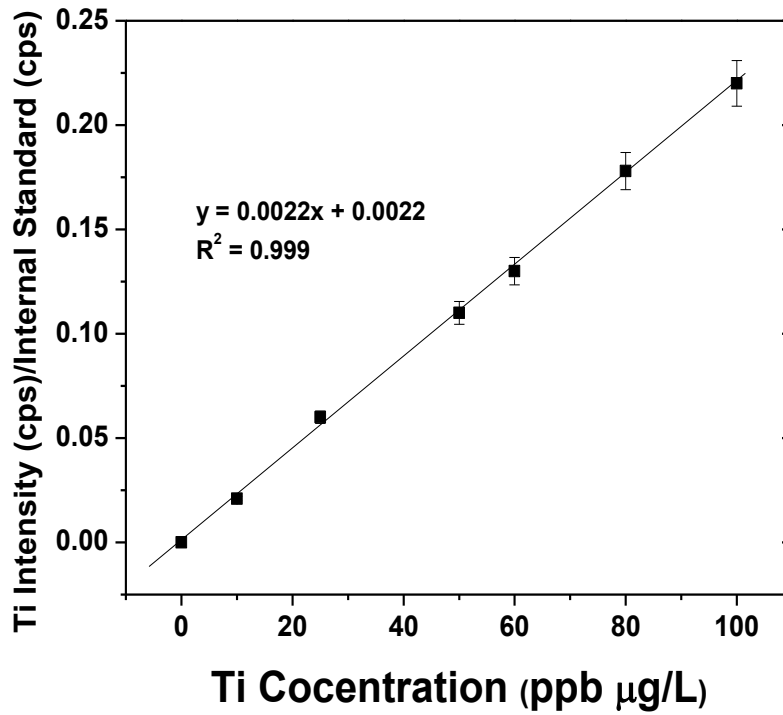


Fig S-3

