

Supplementary Material; Eq. 1

- Porosity

Porosity of the used porous silicon material was determined gravimetrically using the equation:

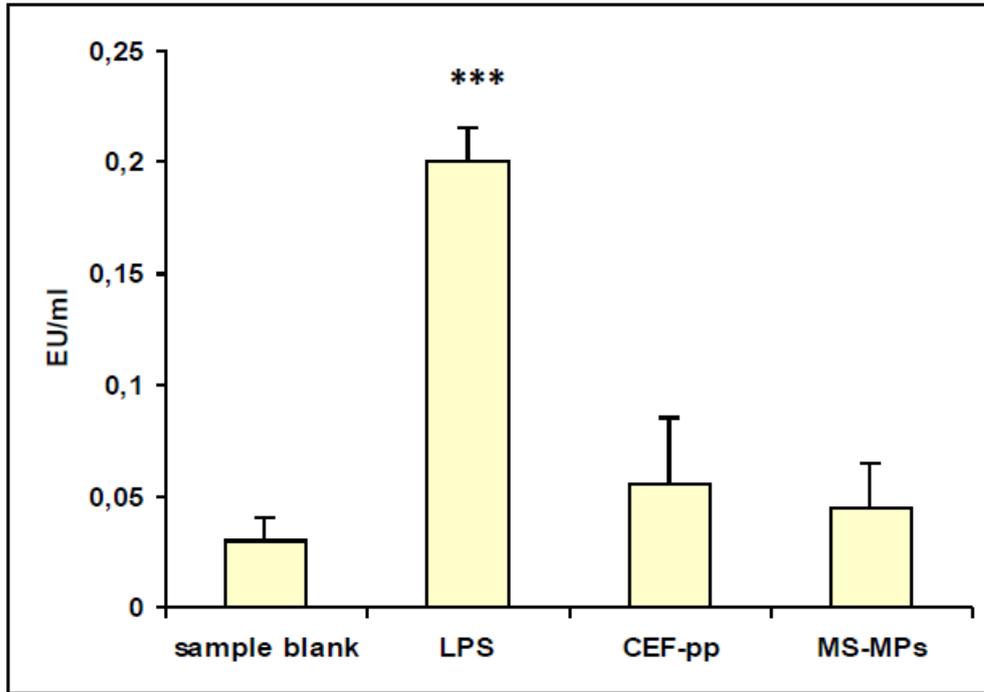
$$P(\%) = \frac{m_1 - m_3}{m_1 - m_2} \quad (1)$$

Where m_1 is the mass of the initial Si wafer used for anodizing (porosification), m_2 is the mass of the Si wafer after anodizing and m_3 is the mass of the remnant wafer after removing the porous layer by scratching and cleaning in 1M KOH solution. Porous material is completely eliminated from the wafer in these conditions.

Supplementary Material; Figure S1

- MS-MPs are free of endotoxin.

Mesoporous Silicon microparticles (1×10^7) and CEF pp pool (0,5 $\mu\text{g}/\text{ml}$) were tested for endotoxin activity using chromogenic LAL assay. LPS (1 $\mu\text{g}/\text{ml}$) was included as a positive control and a sample blank included in the kit as a negative control. *** $P < .01$.



Supplementary Material; Figure S2

Internalization of MSMPs by flow cytometry.

A representative example of Forward (FSC) and Size (SSC) flow cytometry parameters to measure microparticle uptake by MDDCs at 24 h. Histograms (up) and mean counts (down) (D).

