

Supporting Information

Polystyrene microplastics postpone APAP induced liver injury through impeding macrophage polarization

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Physicochemical property of PS MPs

To evaluate the impact of PS MPs on liver repair in APAP-induced liver injury model, the physicochemical property of the material was characterized. In Figure S1A, scanning electron microscopy (SEM) result indicates that MPs is round with a size of 300 nm. Further size distribution evaluation through dynamic light scattering (DLS) presented average size of MPs is approximately 320 nm (Figure 1B). From Figure 1C, the zeta potential of MPs is at low vacuum mode.

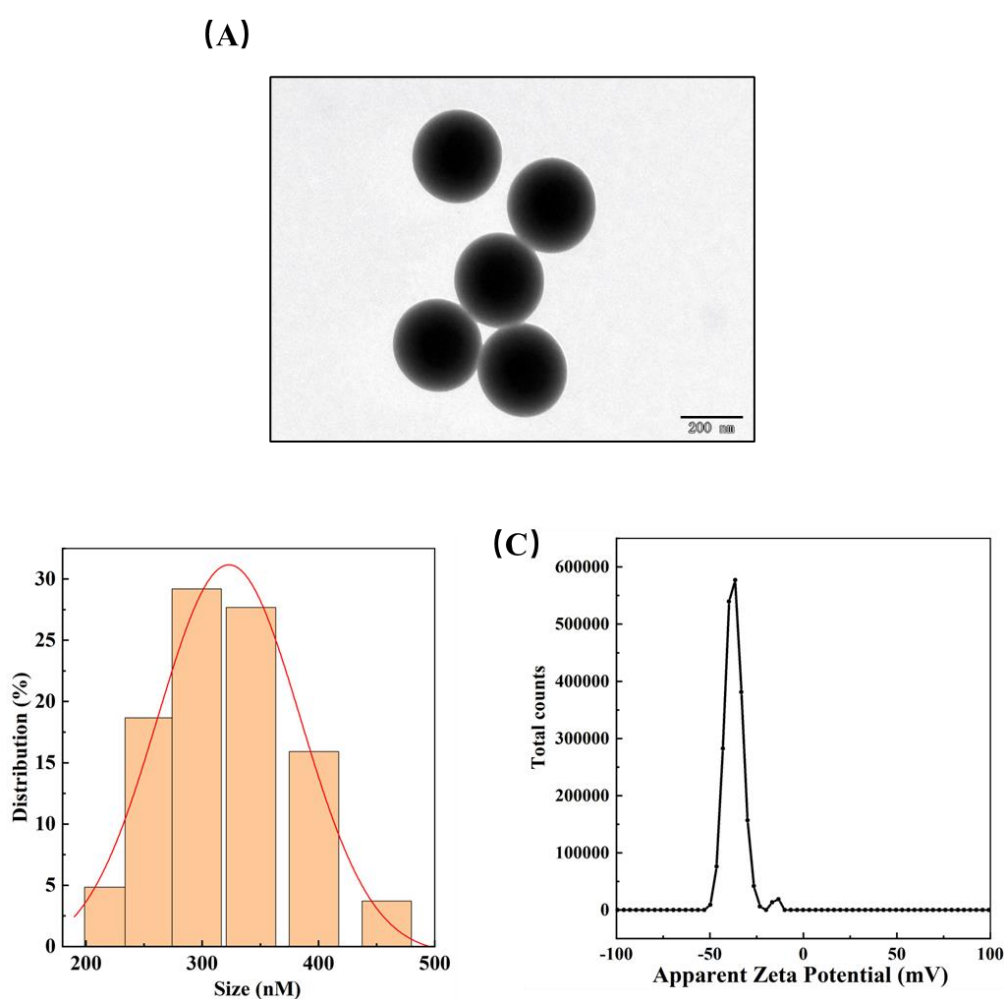


Figure S1 Physico-chemical characterization of PS MPs. (A) TEM images of PS MPs; (B) Hydrodynamic size and (C) zeta potential of PS MPs in distilled water.

Table S1. Sequences of all gene primers

<i>S. No</i>	Name	Primer sequences
1	Hprt	GCTTGCTGGTGAAAAGGACCTCTCGAAG CCCTGAAGTACTCATTATAGTCAAGGGCAT
2	Cidea	CCTTTGGTGCTAGGCTTGG TTCAAGGCCGTGTTAAGGA
3	Foxm1b	GTGTGCCTGTTCCCAAGC CTGTTGTCCAGCGTGCAG
4	Tnf- α	CCCTCACACTCAGATCATCTTCT GCTACGACGTGGGCTACAG
5	IL-6	CCAGAGCTGTGCAGATGAGT CTGCAGCCACTGGTTCTGT
6	IFN- γ	CGGCACAGTCATTGAAAGCCTA GTTGCTGATGGCCTGATTGTC
7	IL-10	GCTCTTACTGACTGGCATGAG GCTCTTACTGACTGGCATGAG
8	Ly6G	GACTTCCTGCAACACAACCTACC ACAGCATTACCAGTGATCTCAGT
9	Cxcl-1	CTGGGATTCACCTCAAGAACATC CAGGGTCAAGGCAAGCCTC
10	Ccl-2	AGGTCCCTATGGTGCCAATGT CGGCAGGATTTTGAGGTCCA

11	CCR2	CCACATCTCGTT CTCGGTTTATC CAGGGAGCACC GTAATCATAATC
12	Cx3cr-1	CAGCATCGACCGGTACCTT GCTGCACTGTCCGGTTGTT
13	iNOS	TCTTTGACGCTCGGAACTGTAGCA TAGGTCGATGCACAACTGGGTGAA
14	IL-1 β	TGCCACCTTTTGACAGTGATG AAGGTCCACGGGAAAGACAC
15	Mrc1	CTCTGTTCAGCTATTGGACGC CGGAATTTCTGGGATTCAGCTTC
16	Fizz1	CCCTCCACTGTAACGAAGACTC CACACCCAGTAGCAGTCATCC
