

# Supplementary Materials: Enhanced therapeutic efficacy of curcumin by microscale discoidal polymeric particles in a murine asthma model

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**Table S1.** Effect of Cur-PLGA-DPPs administration on hematological parameters. Shown are mean values  $\pm$  standard deviation (n = 4).

Parameter	Control	OVA	OVA + Cur-PLGA-DPPs 5 mg/kg	OVA + Cur-PLGA-DPPs 25 mg/kg	OVA + Curcumin 4 mg/kg
Red blood cell (M/ $\mu$ L)	11.2 $\pm$ 1.2	14.1 $\pm$ 1.7	10.9 $\pm$ 0.7	11.4 $\pm$ 0.7	14.2 $\pm$ 1.1
Hemoglobin (g/dL)	18.7 $\pm$ 2.0	21.8 $\pm$ 1.2	17.1 $\pm$ 1.2	16.5 $\pm$ 0.9	23.0 $\pm$ 2.2
Hematocrit (%)	66.7 $\pm$ 6.4	82.2 $\pm$ 6.4	62.2 $\pm$ 3.7	59.7 $\pm$ 3.0	82.6 $\pm$ 8.0
Mean corpuscular volume (fL)	59.9 $\pm$ 1.4	58.6 $\pm$ 2.6	57.1 $\pm$ 1.2	52.4 $\pm$ 1.4	58.2 $\pm$ 1.1
Mean Cell Hemoglobin (MCH; pg)	16.8 $\pm$ 0.5	15.6 $\pm$ 1.0	15.6 $\pm$ 0.5	14.5 $\pm$ 0.6	16.2 $\pm$ 0.6
MCH Concentration (g/dL)	28.0 $\pm$ 0.7	26.6 $\pm$ 1.2	27.4 $\pm$ 0.4	27.7 $\pm$ 0.4	27.8 $\pm$ 0.8
White blood cell (k/ $\mu$ L)	4.9 $\pm$ 3.6	4.5 $\pm$ 1.2	3.1 $\pm$ 0.3	6.6 $\pm$ 1.2	6.8 $\pm$ 1.1
Neutrophil (k/ $\mu$ L)	0.6 $\pm$ 0.4	0.8 $\pm$ 0.3	0.7 $\pm$ 0.1	1.4 $\pm$ 0.2	1.6 $\pm$ 0.2
Lymphocyte (k/ $\mu$ L)	4.0 $\pm$ 3.1	3.2 $\pm$ 1.0	2.9 $\pm$ 1.7	4.8 $\pm$ 1.0	4.9 $\pm$ 0.9
Monocyte (k/ $\mu$ L)	0.2 $\pm$ 0.2	0.3 $\pm$ 0.1	0.3 $\pm$ 0.1	0.4 $\pm$ 0.1	0.3 $\pm$ 0.0
Eosinophil (k/ $\mu$ L)	0.0 $\pm$ 0.0	0.1 $\pm$ 0.0	0.0 $\pm$ 0.0	0.0 $\pm$ 0.0	0.1 $\pm$ 0.0
Basophil (k/ $\mu$ L)	0.0 $\pm$ 0.0	0.0 $\pm$ 0.0	0.0 $\pm$ 0.0	0.0 $\pm$ 0.0	0.0 $\pm$ 0.0
Platelet (k/ $\mu$ L)	853.0 $\pm$ 38.7	979.5 $\pm$ 200.1	651.7 $\pm$ 64.3	607.0 $\pm$ 31.5	835.0 $\pm$ 86.2