

Table e1: Statistical data including P values and excluded parameters for each Figure Panel†

	P value	Values excluded*
Figure 1A: Survival	0.0033	0
Figure 1B: PLF WBCs x 10 ⁶ /mL	<0.0001	0
Figure 1C: PLF Neutrophils x 10 ⁶ /mL	<0.0001	0
Figure 1D: Liver CFUs x 10 ³ /mL	0.010	1/each septic group
Figure 1E: Spleen CFUs x 10 ⁴ /mL	0.012	1/ vehicle septic group
Figure 1 F: PLF CFUs x 10 ⁴ /mL	0.154	1/ each septic group
Figure 2A: Liver CFUs x 10 ³ /mL	0.047	0
Figure 2B: Spleen CFUs x 10 ⁴ /mL	0.758	0
Figure 2C: PLF Neutrophils x 10 ⁶ /mL	0.001	0
Figure 2D: Liver TNFα pg/mL	<0.0001	0
Figure 2E: Spleen TNFα pg/mL	0.009	0
Figure 2F: Liver IL-10 pg/mL	<0.0001	0
Figure 3C: Heme oxygenase-1 /β-Actin (Fold change)	0.015 ANOVA UC-MSC control vs. Hemin-treated 0.616	0
Figure 3D: Hepatic Heme oxygenase-1 /β-Actin	0.006	0
Figure 3E: Splenic Heme oxygenase-1 /β-Actin	<0.0001	0
Figure 3F: Zymosan/Cell	<0.0001	0
Figure 3G: ROS positive cells (%)	<0.0001	0
Figure 3H: Phagocytosis (Fold change)	<0.0001	0
Figure 4A: PLF Neutrophils x 10 ⁶ /mL	0.232	0
Figure 4B: PLF CFUs x 10 ⁴ /mL	0.672	0
Figure 4C: Liver CFUs x 10 ³ /mL	0.976	0
Figure 4D: Spleen CFUs x 10 ⁴ /mL	0.881	0
Figure 4E: Phagocytosis (Fold change)	0.000 ANOVA 0.113 Vehicle vs. ZnPP + UC-MSCs	0
Figure 4F: Zymosan/Cell	0.000 ANOVA 0.265 Vehicle vs. ZnPP + UC-MSCs	0
Figure 5A: Heme oxygenase-1 1/β-Actin (Fold change)	0.005	0
Figure 5D: Heme oxygenase-1 -1/β-Actin (Fold change)	0.004	0
Figure 5E: Phagocytosis (%)	<0.0001	0
Figure 5F: Bacterial killing (% of phag. bacteria)	<0.0001	0
Figure 5H: Heme oxygenase-1 1/β-Actin (Fold change)	0.029	0
Figure 6 A: Lipoxin A4 (pg/mL)	<0.0001	0
Figure 6 B: PGE2 (pg/mL)	0.002	0
Figure 6 C: Phagocytosis (%)	<0.0001	0
Figure 6 D: ROS positive phagocytes (%)	<0.0001	0
Figure e1 A: Survival	0.036	0

Figure e1 B: PLF WBCs x 10 ⁶ /mL	0.001	0
Figure e1 C: PLF CFUs x 10 ⁴ /mL	0.049	1 in Vehicle group
Figure e1 D: Lung TNF α pg/mL	<0.0001	0
Figure e2 C: Lung NF κ B/Total NF κ B	0.020	0
Figure e2 D: Splenic NF κ B/Total NF κ B	<0.0001	0
Figure e2 E: Hepatic NF κ B/Total NF κ B	0.034	0
Figure e4 B: Cytosolic MFI	<0.0001	0

†One Way ANOVA except for Figure 1A analyzed using Log-rank test

*Chauvenet's (normal distribution of the data) or Pierce's (non-normal distribution of the data) criterion were used for data exclusion (as explained in Taylor JR: An Introduction to Error Analysis. The Study of Uncertainties in Physical Measurements, 2nd ed. University Science Books, Mill Valley CA, USA, 1997). Briefly, an outlier is a single observation far away from the rest of the data, i.e. less than $Q1 - (1.5 \times IQR)$ or greater than $Q3 + (1.5 \times IQR)$, where $Q1$ and $Q3$ are the first and third quartiles, respectively, and IQR is the interquartile range (equal to $Q3 - Q1$).

Table e2: Table for groups where values were excluded (Figure 1D, 1E, and 1F)

Septic group treated with vehicle (PBS)			Septic group treated with UC-MSCs (10 mill/kg)		
Liver (CFU/mL)	Spleen (CFU/mL)	PLF (CFU/mL)	Liver (CFU/mL)	Spleen (CFU/mL)	PLF (CFU/mL)
8.20E+02	2.90E+04	2.00E+03	1.35E+03	2.00E+02	4.00E+02
1.12E+03	4.75E+04	5.00E+02	1.21E+03	2.70E+03	3.00E+03
2.40E+04	7.20E+04	4.00E+03	4.50E+03	1.28E+05	0.00E+00
7.10E+03	1.14E+05	1.80E+04	1.91E+03	2.90E+04	0.00E+00
6.00E+03	2.90E+04	7.10E+03	6.00E+02	5.10E+03	5.00E+03
7.40E+03	6.55E+04	1.10E+04	6.03E+03	1.42E+03	1.90E+05
6.65E+02	1.10E+04	2.10E+05	5.00E+01	2.10E+04	4.40E+04
3.40E+02	3.05E+04	2.40E+04	0.00E+00	4.30E+04	0.00E+00
6.90E+03	5.20E+04	2.10E+05	6.70E+02	0.00E+00	7.80E+03
3.60E+02	8.75E+04	4.00E+03	5.30E+04	1.70E+05	4.80E+05
3.50E+04	8.50E+05	3.80E+05	3.00E+01	2.10E+03	2.00E+03
1.70E+03	6.30E+03	1.70E+03	9.55E+02	1.60E+05	1.10E+05
			0.00E+00	0.00E+00	0.00E+00
			3.23E+03	5.30E+04	4.00E+03

Values in bold were excluded.