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Increasing the Magnesium Concentration in Various Dialysate Solutions Differentially Modulates Oxidative Stress in a Human Monocyte Cell Line

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Supplementary Materials: The following are available online at www.mdpi.com/xxx/s1, supplementary figures: Figure S1; Figure S2; Figure S3.

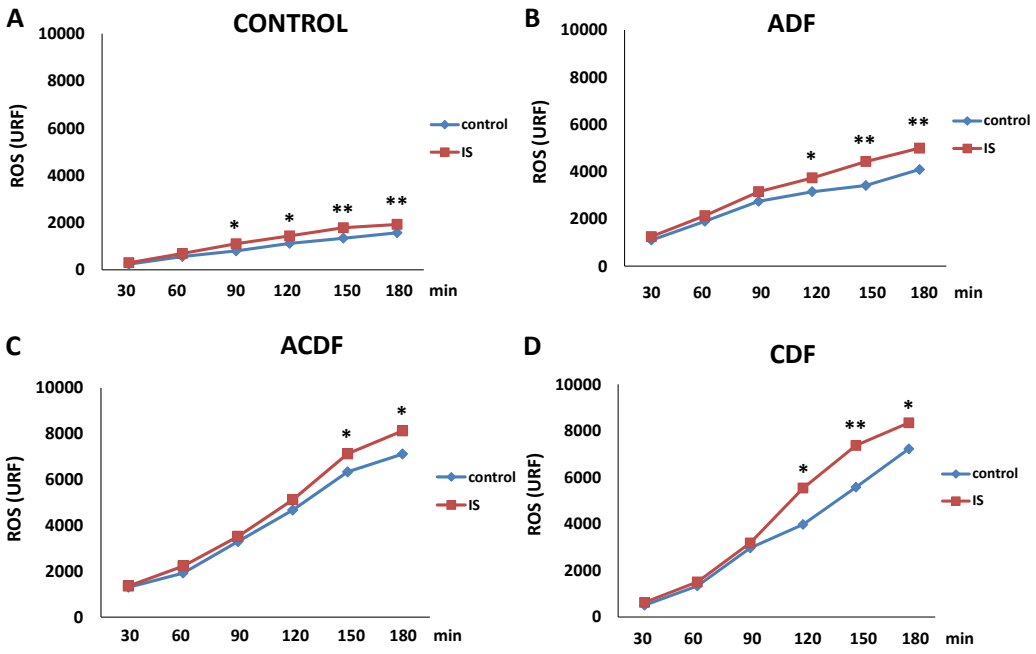

Figure S1. Intracellular reactive oxygen species (ROS) production under basal conditions (control) and in response to indoxyl sulfate (IS; 256 μg/mL) in human THP-1 monocytes cultured in a control solution ((**A**) Hank´s medium) or various dialysis fluids ((B) ADF (acetate 3 mM), (C) ACDF (citrate 0.3 mM + acetate 0.8 mM), and (D) CDF (citrate 1 mM). Each point represents the mean ± standard deviation (SD) of 8–10 independent experiments. ROS were measured at different times (30, 60, 90,

120, 150, and 180 min), and each value is the mean of duplicate assays. * $p < 0.05$ and ** $p < 0.01$ vs. the value in the basal conditions.

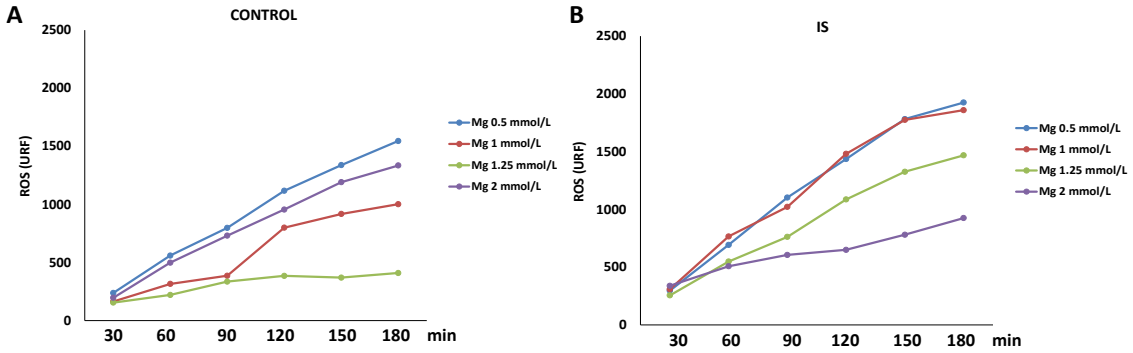

Figure S2. Intracellular reactive oxygen species (ROS) production in (A) basal conditions (control) and (B) in response of indoxyl sulfate (IS; 256 μg/mL) in human THP-1 monocytes cultured in Hank´s medium (control solution) with standard Mg (0.5 mM, control) or with high Mg concentrations (1, 1.25, and 2 mM). Each point represents the mean ± SD of 8–10 independent experiments. ROS were measured at different times (30, 60, 90, 120, 150, and 180 min), and each value is the mean of duplicate assays.

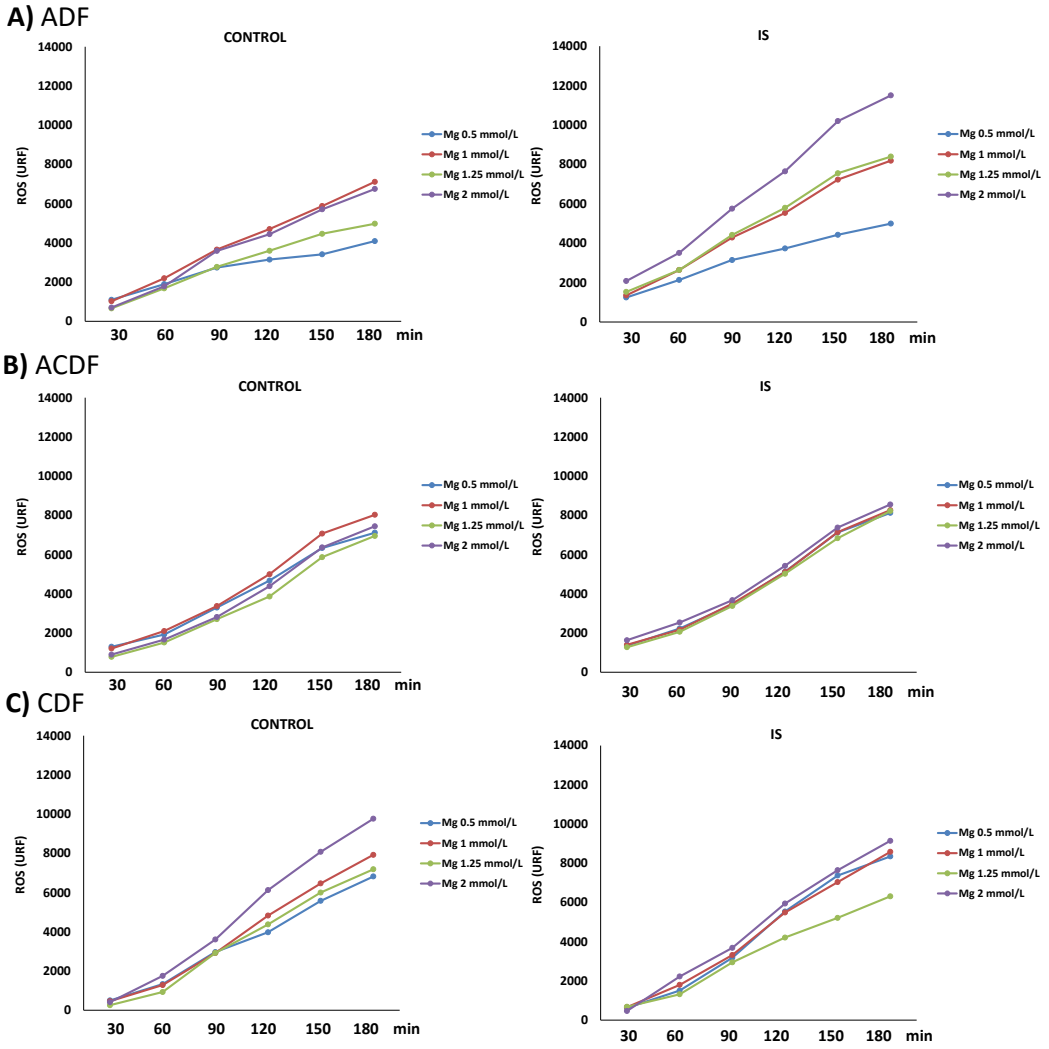

Figure S3. Intracellular reactive oxygen species (ROS) production under basal conditions (control) and in response of indoxyl sulfate (IS; 256 μg/mL) in human THP-1 monocytes cultured in (A) ADF

41 (acetate 3 mM), (B) ACDF (citrate 0.3 mM + acetate 0.8 mM), and (C) CDF (citrate 1 mM) dialysates
42 with standard Mg (0.5 mM, control) or with high Mg concentrations (1, 1.25, and 2 mM). Each point
43 represents the mean ± SD of 8–10 independent experiments. ROS were measured at different times
44 (30, 60, 90, 120, 150, and 180 min), and each value is the mean of duplicate assays.

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