

Supplementary figures

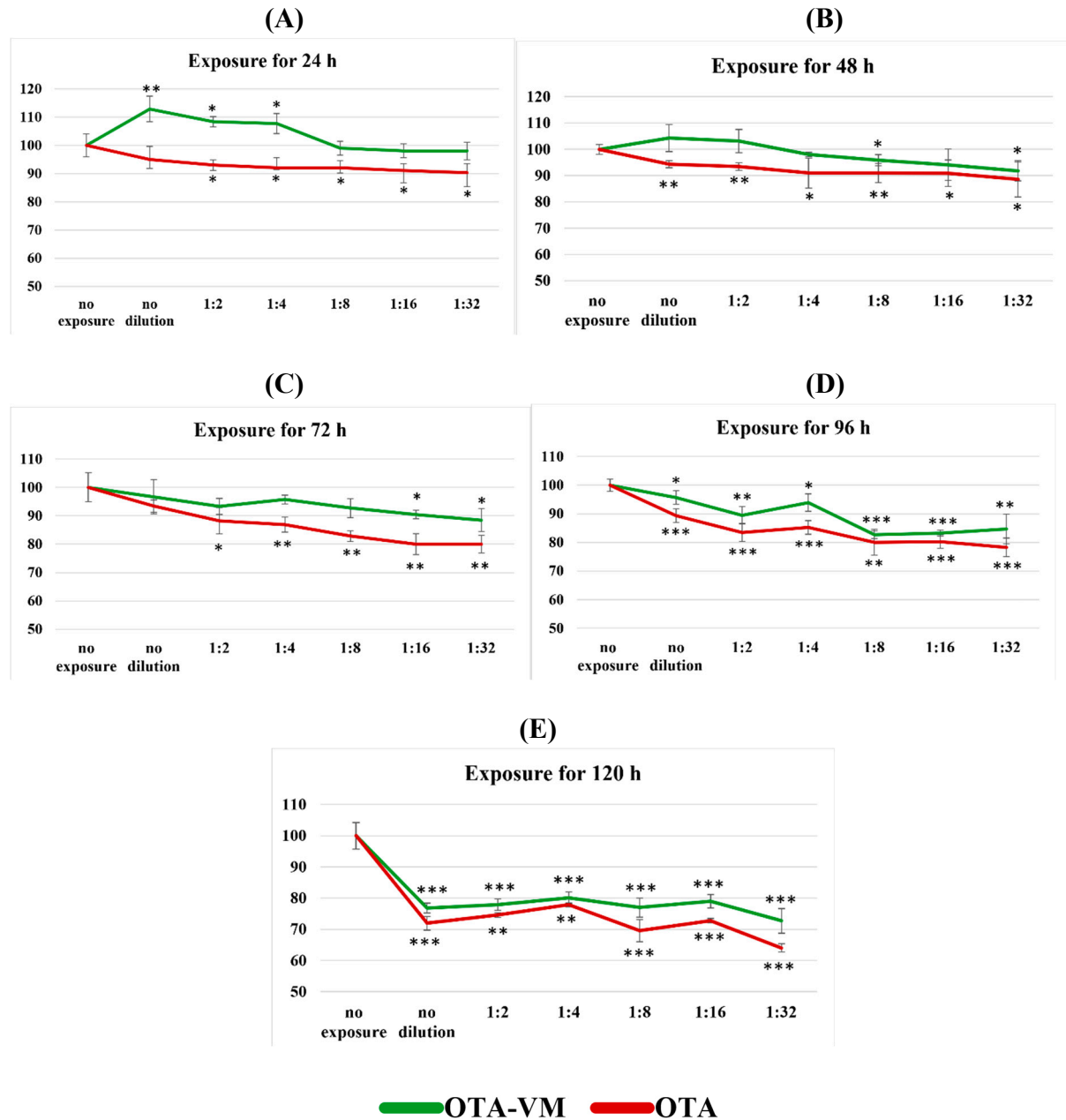


Figure S1. Cell viability in differentiated Caco-2 cells following exposure to various dilutions of intestinal di-gests (3.2 μ M OTA for no dilution) for 24 h (A), 48 h (B), 72 h (C), 92 h (D), 120 h (E) exposure times individually. Data graph lines and bars are the mean \pm SD (n = 4). Significant differences between OTA intestinal digest exposure and control or OTA-VM intestinal digest exposure and control are indicated as $p < 0.05$ (*); $p < 0.01$ (**); $p < 0.001$ (***).

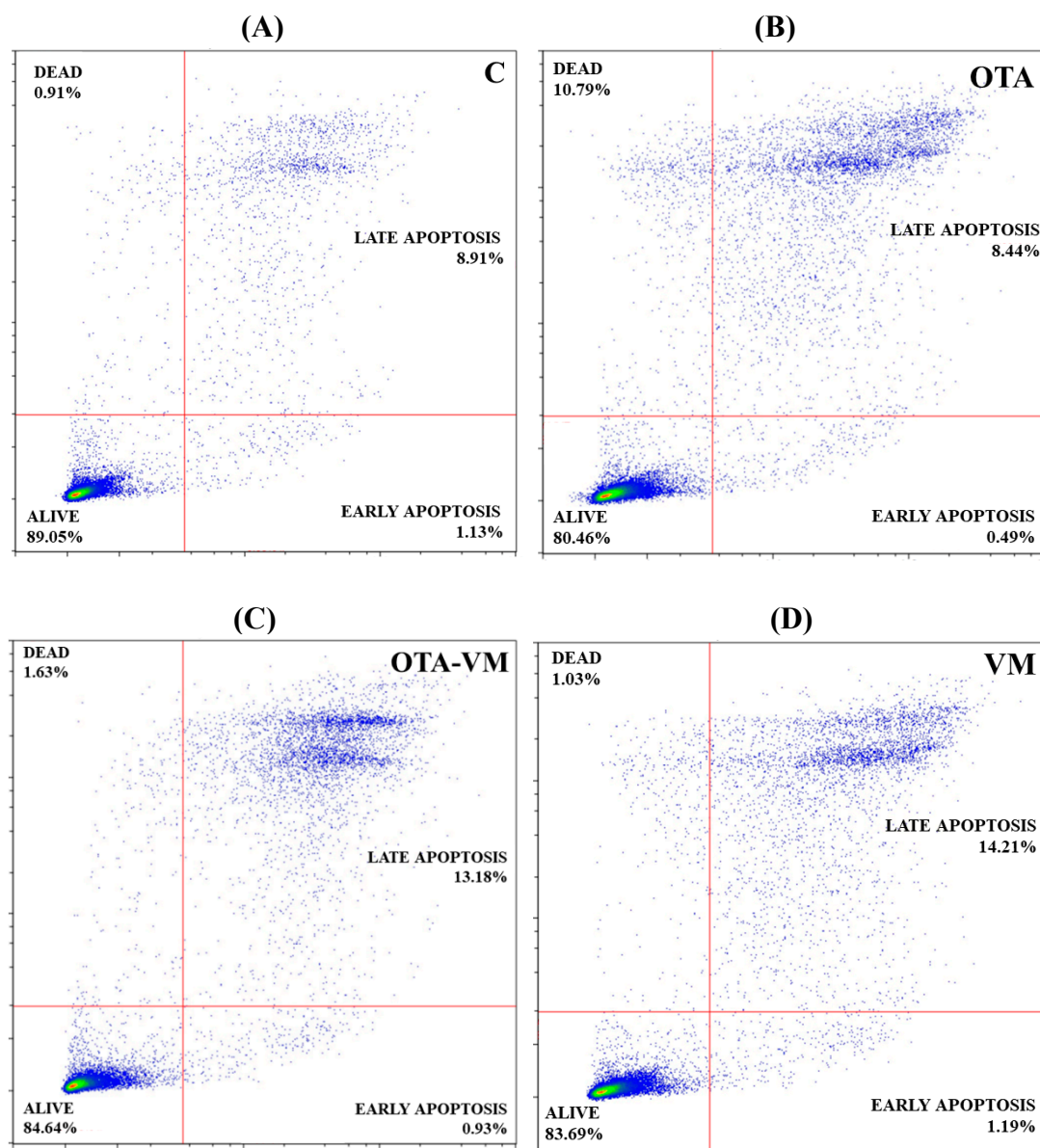


Figure S2. Impact of intestinal digests (0.32 μ M OTA) on apoptosis and necrosis pathways. Plots show results from the cell apoptosis assay following exposure of Jurkat cells to intestinal digests: control (A), OTA (B), OTA-VM (C), VM (D).

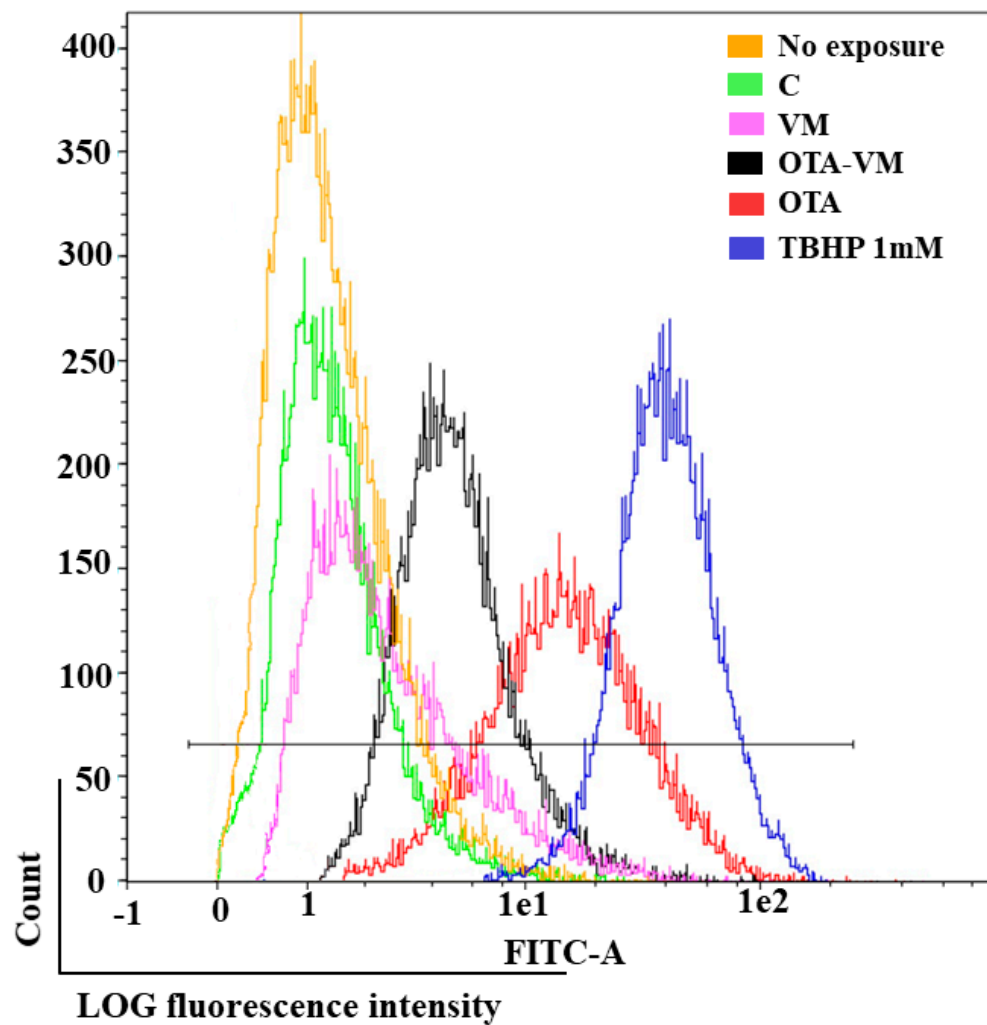


Figure S3. Impact of intestinal digests (0.32 μ M OTA) on ROS generation. Representative plots show cell count versus LOG fluorescence for 20,000 events analyzed using a flow cytometer to detect ROS level.

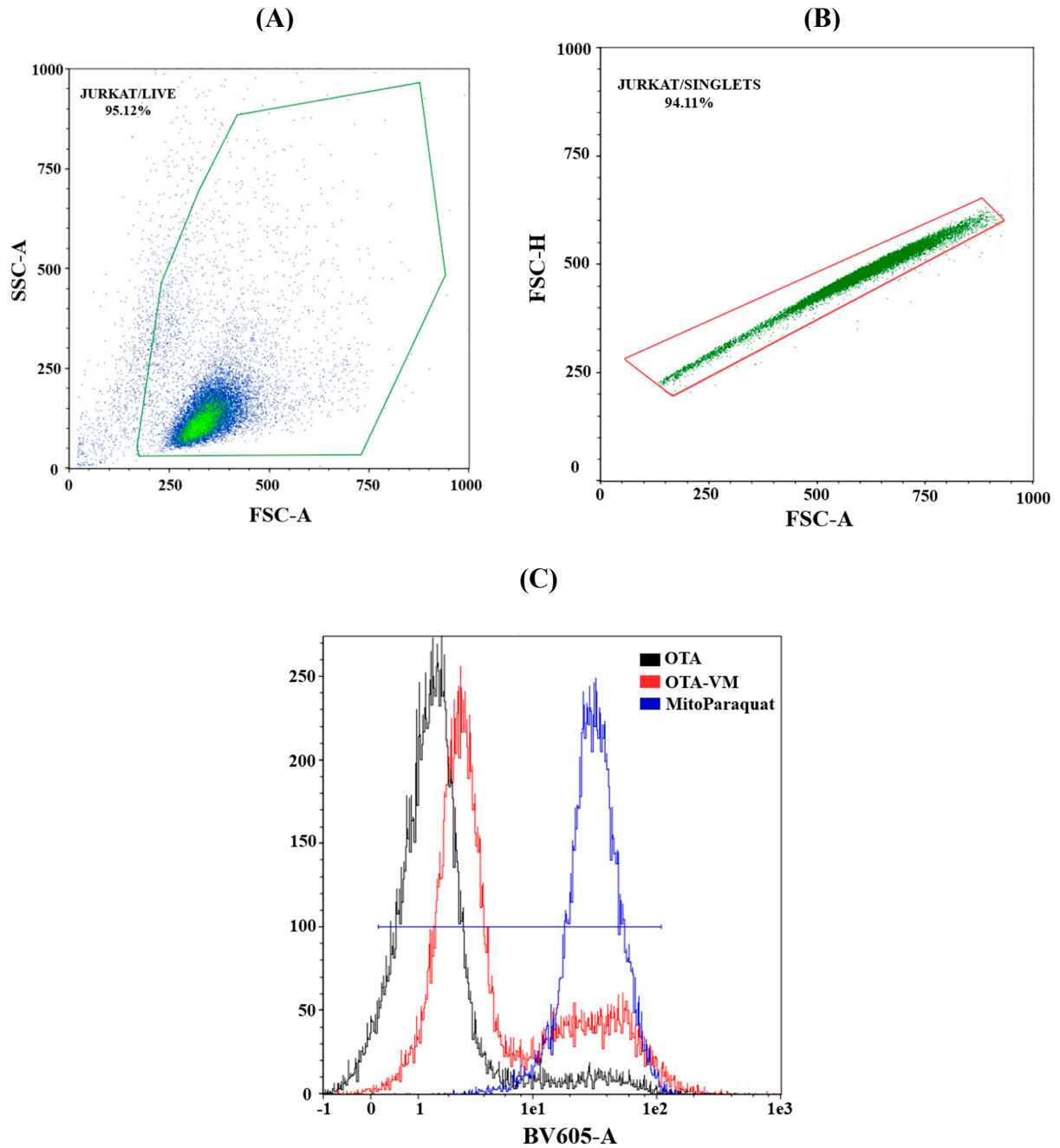


Figure S4. MitoSOX-based flow cytometry detection of mitochondrial ROS in Jurkat cells after exposure to intestinal digests (0.32 μ M OTA). The process for obtaining MitoSOX fluorescence intensity from Jurkat cells involves the following steps: **(A)** Selection of viable Jurkat cells based on side scatter (SSC) and forward scatter (FSC) characteristics, as shown in density plots. **(B)** Gating of singlet Jurkat cells based on forward scatter characteristics. **(C)** Measurement of median fluorescence intensity of Jurkat singlets using the B4 channel following exposures.

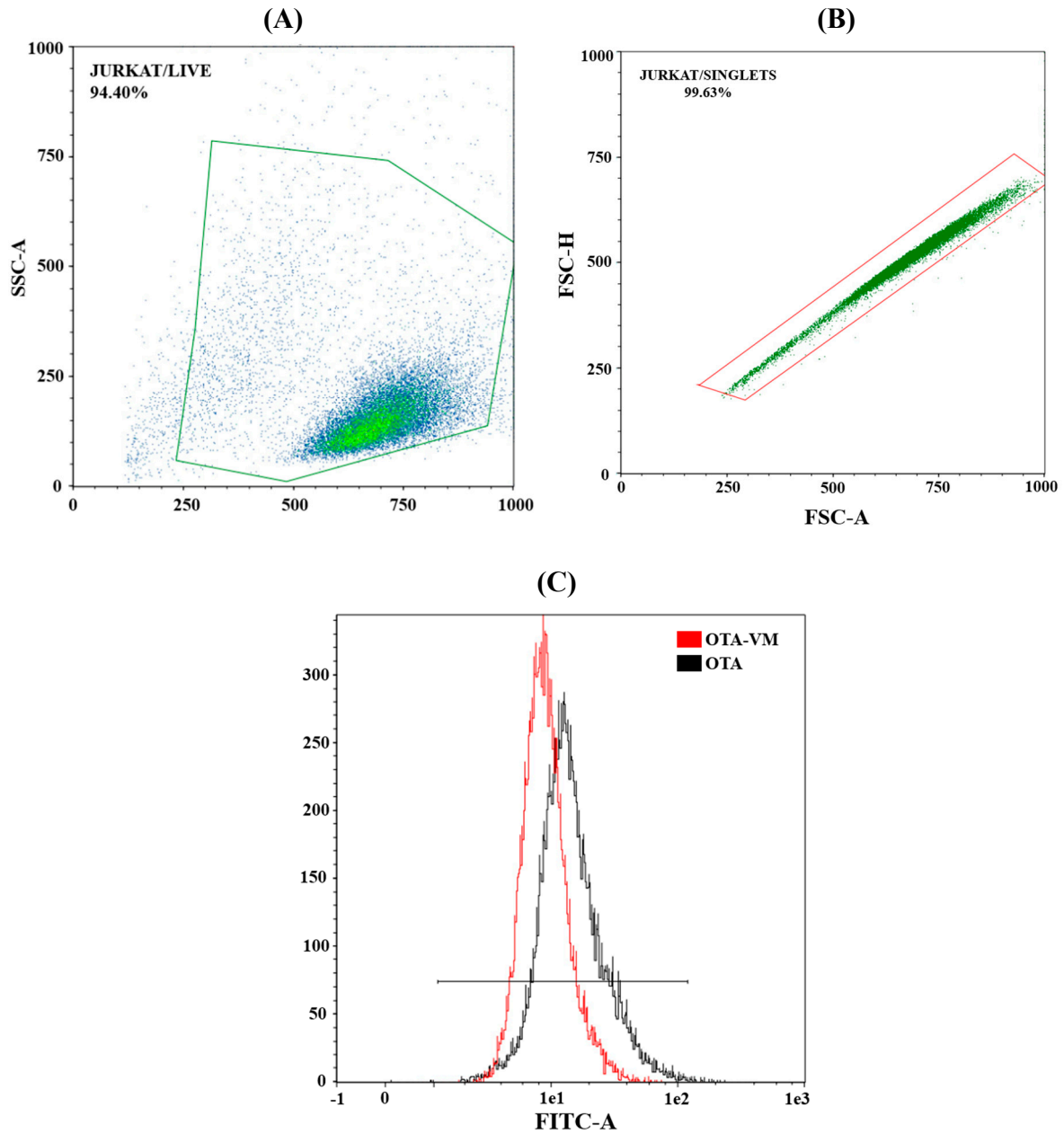


Figure S5. Effect of intestinal digest (0.32 μ M OTA) on mitochondrial mass. Steps to obtain median fluorescence intensity (MFI) from Jurkat cells/singlets are as follows: **(A)** Selection of live Jurkat cells based on side scatter (SSC) and forward scatter (FSC) characteristics. **(B)** Gating of singlet Jurkat cells using forward scatter characteristics, as shown in density plots. **(C)** Measurement of median fluorescence intensity of Jurkat singlets using the FITC channel.