

Supplementary Table 1. Protective effect of (-)-epicatechin (EC), 2,3-dihydroxybenzoic acid (DHBA), metformin (MET) and combination of EC, DHBA and MET (MIX) reactive oxygen species (ROS) generation, and glutathione peroxidase (GPx) and superoxide dismutase (SOD) activities in cardiac cells. H9c2 cells were pre-treated with medium or supplemented medium with EC (1 μ M), DHBA (1 μ M), MET (1 μ M) or a mixture of the three compounds at the same concentration (MIX, 3 μ M) during 2 hours, and then 30 mM glucose (HG) and 200 μ M palmitic acid (PA) were added for 22 hours to all cultures except controls (incubated with medium). Results are expressed as a percent relative to the control condition. Values are means \pm SD of 6-10 data. At least three independent experiments were performed. Means in a column without a common superscript letter differ significantly at $P < 0.05$.

	ROS (Fluorescence units)	GPx (mU/mg protein)	SOD (% of control)
Control	1532.8 \pm 88.4 ^a	129.9 \pm 4.6 ^a	40.1 \pm 2.5 ^a
HG+PA	2190.8 \pm 100.8 ^b	169.7 \pm 6.4 ^b	33.2 \pm 0.6 ^b
EC+HG+PA	1838.4 \pm 159.5 ^c	140.0 \pm 6.7 ^{ab}	36.9 \pm 2.6 ^a
DHBA+HG+PA	1945.6 \pm 93.5 ^{cd}	127.6 \pm 7.7 ^a	41.4 \pm 1.7 ^a
MET+HG+PA	1945.6 \pm 155.8 ^{cd}	138.1 \pm 6.5 ^a	40.5 \pm 3.2 ^a
MIX+HG+PA	2006.9 \pm 141.1 ^d	126.2 \pm 4.1 ^a	37.5 \pm 3.1 ^a