

Table 1. The measurements of biological variables in the control and study groups (data presented as Mean \pm SD)

Group	Lm (μm)	TNF- α ($\text{pg}\cdot\text{ml}^{-1}$)	IL-8 ($\text{pg}\cdot\text{ml}^{-1}$)	ROS (AU)	HDAC-2 ($\text{ng}\cdot\mu\text{l}^{-1}$)
Sham-CS	32.39 \pm 3.55	92.91 \pm 4.65	22.01 \pm 3.10	1.00 \pm 0.08	29.57 \pm 2.10
CS	52.70 \pm 0.31*	187.39 \pm 11.56*	62.79 \pm 1.81*	3.19 \pm 0.15*	10.99 \pm 0.84*
CS+ROF	51.81 \pm 1.91	155.64 \pm 5.18	47.63 \pm 4.76	2.70 \pm 0.17	22.26 \pm 2.11 [†]
CS+PTX	50.44 \pm 1.07	134.03 \pm 3.95 [†]	44.52 \pm 2.11 [†]	1.99 \pm 0.13 [†]	19.81 \pm 1.18 [†]
CS+THEO	51.16 \pm 1.75	153.73 \pm 17.87	44.46 \pm 5.07 [†]	2.31 \pm 0.17 [†]	20.82 \pm 1.16 [†]
CS+TRI	51.79 \pm 1.63	139.59 \pm 13.24	35.24 \pm 6.14 [†]	2.24 \pm 0.06 [†]	12.96 \pm 1.52
CS+ROF+TRI	49.15 \pm 1.94	135.00 \pm 20.65	24.32 \pm 1.79 [†]	1.99 \pm 0.14 [†]	22.70 \pm 1.85 ^{†¶}
CS+PTX+TRI	49.02 \pm 1.11	117.10 \pm 14.92 [†]	24.35 \pm 6.16 [†]	1.64 \pm 0.20 ^{†¶}	19.32 \pm 1.25 ^{†¶}
CS+THEO+TRI	50.07 \pm 1.73	124.02 \pm 20.68 [†]	30.26 \pm 5.88 [†]	1.88 \pm 0.12 [†]	16.96 \pm 1.33 [†]

*Compared to the counterpart variable in sham-CS exposure control group, $P < 0.01$; [†]Compared to the counterpart variable in CS exposure control group, $P < 0.05$; [¶]compared to the counterpart variable in CS +TRI group, $P < 0.05$.

Abbreviations: CS, cigarette smoke; ROF, roflumilast; PTX, pentoxifylline; THEO, theophylline; TRI, Triamcinolone acetone; Lm, mean linear intercept; ROS, reactive oxygen species; HDAC-2, histone deacetylase -2.