

Supplementary Table. Inflammatory parameters in induced sputum before and after fresh air and chlorine

	24h pre exposure	30' post exposure	24h post exposure	p	24h pre exposure	30' post exposure	24h post exposure	p
	Fresh air 1 ppm, 15 minutes				Chlorine 1 ppm, 15 minutes			
cysLTs	91.4 (151.4)	131.4 (43.4)	72.7 (20.6)	0.48	93.5 (26.4)	76.5 (51.2)	95.0 (73.3)	0.75
8-isoprostane	63.3 (25.5)	61.8 (14.3)	20.7 (14.7)	0.04	27.4 (28.9)	40.5 (10.2)	39.4 (21.1)	0.44
EGF pg/ml	66.6 (56.2)	272.8 (409.0)	93.1 (92.4)	0.11	77.2 (87.7)	130.1 (224.9)	78.1 (171.5)	0.85
FGF2 pg/ml	18.7 (2.3)	26.2 (6.8)	22.5 (9.5)	0.25	19.6 (1.1)	18.1 (6.6)	18.7 (5.2)	0.50
GCSF pg/ml	28.2 (13.9)	130.3 (128.7)	56.0 (70.4)	0.58	63.5 (75.1)	63.4 (71.0)	58.2 (143.5)	0.75
FLT-L3 pg/ml	3.1 (0.2)	3.2 (0.4)	3.3 (1.1)	0.66	3.4 (0.4)	3.1 (0.3)	3.2 (0.2)	0.07
GMCSF pg/ml	1.9 (0.4)	2.3 (0.5)	2.1 (0.8)	0.41	1.9 (0.4)	1.8 (0.6)	1.9 (0.3)	0.28
Fractalkine pg/ml	42.2 (7.6)	44.5 (13.5)	54.7 (30.7)	0.60	55.5 (15.6)	56.2 (23.3)	54.7 (37.5)	0.88
IFN α 2 pg/ml	6.4 (1.6)	6.9 (0.7)	8.1 (6.7)	0.40	7.7 (3.3)	7.3 (4.0)	7.0 (1.3)	0.79
IFN γ pg/ml	2.3 (0.5)	2.3 (1.7)	2.4 (1.4)	0.61	2.5 (0.1)	2.3 (0.4)	2.5 (0.2)	0.47
MCP-3 pg/ml	7.0 (5.0)	9.3 (14.6)	8.5 (11.5)	0.86	8.2 (5.1)	6.7 (2.8)	6.4 (4.8)	0.30
IL-12p40 pg/ml	5.9 (1.2)	7.5 (5.9)	6.8 (4.8)	0.56	6.3 (3.1)	6.3 (3.0)	5.9 (1.9)	0.57
MDC pg/ml	33.7 (24.9)	26.7 (18.5)	23.8 (15.5)	0.60	33.7 (24.9)	24.8 (12.3)	24.5 (34.0)	0.52
IL12p70 pg/ml	2.0 (0.3)	2.1 (0.6)	2.2 (0.6)	0.80	2.2 (0.3)	2.1 (0.3)	2.1 (0.2)	0.56
IL-13 pg/ml	1.9 (0.3)	1.7 (3.0)	2.0 (1.7)	0.75	2.0 (0.5)	1.9 (0.6)	1.9 (0.4)	0.63
PDGF pg/ml	8.2 (0.8)	8.2 (2.0)	9.4 (5.1)	0.76	9.6 (2.2)	8.4 (3.0)	9.0 (1.0)	0.64
IL-15 pg/ml	2.0 (0.1)	2.6 (0.6)	2.5 (1.0)	0.25	2.3 (0.1)	1.9 (0.6)	2.0 (0.3)	0.08
sCD40L pg/ml	2.5 (0.3)	2.7 (1.3)	2.8 (1.8)	0.72	3.0 (0.4)	2.5 (0.3)	2.4 (0.6)	0.06
IL-17A pg/ml	1.9 (0.2)	2.0 (0.5)	2.0 (0.5)	0.77	1.9 (0.2)	1.8 (0.3)	1.9 (0.3)	0.44
IL-17RA pg/ml	1414.8 (489.5)	1285.8 (905.5)	1573.5 (622.5)	0.95	970.8 (612.5)	1095.0 (1632.5)	1331.8 (1674.9)	0.93
IL-1 α pg/ml	20.7 (28.9)	13.6 (10.6)	15.5 (8.1)	0.62	11.4 (3.8)	8.6 (25.5)	15.2 (18.9)	0.85
IL-1 β pg/ml	3.8 (5.7)	3.9 (4.0)	2.6 (2.0)	0.34	1.9 (0.6)	2.7 (2.9)	1.9 (1.8)	0.20
IL-4 pg/ml	15.8 (3.9)	18.5 (3.2)	18.9 (4.3)	0.49	21.3 (5.6)	16.5 (5.5)	16.5 (5.5)	0.19
IL-6 pg/ml	2.5 (2.1)	5.3 (2.8)	5.9 (3.6)	0.09	4.2 (1.6)	3.1 (4.0)	6.2 (5.1)	0.69
IL-7 pg/ml	3.0 (0.5)	3.5 (1.7)	3.9 (2.1)	0.47	4.1 (1.5)	3.6 (1.7)	3.9 (1.2)	0.38
IL-8 pg/ml	740.0 (526.4)	1657.0 (590.5)	975.0 (743.0)	0.02	882.8 (484.5)	1700.0 (1442.5)	1102.3 (886.6)	0.58
IP-10 pg/ml	202.9 (111.6)	364.3 (512.7)	218.3 (245.2)	0.42	420.2 (453.3)	259.8 (234.8)	259.4 (449.0)	0.50
MCP pg/ml	53.6 (21.1)	78.7 (275.0)	73.0 (126.4)	0.31	113.5 (126.8)	44.7 (50.1)	77.3 (91.7)	0.43
MIP-1 α pg/ml	2.3 (0.6)	2.9 (4.0)	2.3 (1.2)	0.44	2.5 (0.1)	3.1 (1.4)	2.4 (0.8)	0.75
MIP-1 β pg/ml	3.3 (0.4)	19.0 (16.2)	5.1 (4.7)	0.11	4.3 (3.9)	7.0 (15.4)	3.6 (1.8)	0.34
RANTES pg/ml	4.6 (0.8)	4.5 (3.0)	5.0 (3.8)	0.42	4.7 (1.1)	3.9 (1.0)	3.4 (1.1)	0.07
TNF α pg/ml	0.9 (1.1)	0.4 (2.6)	1.2 (2.0)	0.92	1.1 (1.2)	0.4 (1.4)	1.0 (0.4)	0.61
VEGF pg/ml	23.3 (21.4)	53.5 (70.2)	36.0 (42.5)	0.16	82.4 (116.7)	44.5 (72.0)	28.4 (27.0)	0.47

exposure.

Data are presented as median (interquartile range [IQR]). List of abbreviations: CD: Cluster of differentiation; cysLTs: cysteinyl leukotrienes; EGF: epithelial growth factor; FGF: Fibroblast growth factor; FLT-L3: fms-related tyrosine kinase- 3 Ligand ; GCSF: Granulocyte colony-stimulating factor; GMCSF: Granulocyte-macrophage colony-stimulating factor; GF: growth factor; IFN: interferon; IL: interleukin; IP-10: Interferon inducible protein-10; MCP: monocyte chemoattractant protein; MDC: macrophage-derived chemokine; MIP-1: Macrophage inflammatory protein; PDGF: Platelet derived Growth factor ; TNF: Tumor Necrosis factor; RANTES: Regulated on Activation, Normal T Expressed and Secreted ; VEGF: Vascular endothelial growth factor.