

Field Name	Field Definition
Air	Air-exposed control groups
WF	Welding fume
HF	High fat diet
Reg	Regular diet
BN	Brown Norway rat strain
SD	Sprague-Dawley rat strain
BAL	Bronchoalveolar lavage
Rat #	Unique identifier for each animal of the study
Strain	Rat strain SD/SW (Sprague-Dawley) or BN/BW (Brown Norway)
Treatment	Unique identifier indicating strain, treatment, and timepoint designation
Time	Time point: 7wk, 12wk, or 24wk
Diet	Diet type consumed: HF (high fat) or Reg (regular chow)
Exposure	Exposure: WF (welding fume) or Air
LN Size	Total number of lymph node cells
LN Lymph%	Lymph node lymphocyte percentage
LN Non%	Lymph node non-lymphoid cell percentage
LN %T	Lymph node total T-cell percentage
LN %CD4	Lymph node CD4+ T-cell percentage
LN %CD4 act	Lymph node activated CD4+ T-cell percentage
LN %CD8	Lymph node CD8+ T-cell percentage
LN %CD8 act	Lymph node activated CD8+ T-cell percentage
LN %B	Lymph node B-cell percentage
LN %B act	Lymph node activated B-cell percentage
LN NK %	Lymph node Natural Killer (NK) cell percentage
LN 4:8	Lymph Node CD4+ : CD8+ T-cell ratio
LN B:T	Lymph node B-cell : T-cell ratio
LN Lymph#	Lymph node lymphocyte number
LN Non#	Lymph node non-lymphoid cell number
LN T#	Lymph node total T-cell number
LN #CD4	Lymph node CD4+ T-cell number
LN #CD4 act	Lymph node activated CD4+ T-cell number
LN #CD8	Lymph node CD8+ T-cell number
LN #CD8 act	Lymph node activated CD8+ T-cell number
LN #B	Lymph node B-cell number
LN #B act	Lymph node activated B-cell number
LN #NK	Lymph node Natural Killer cell number
BLD Leuk #	Blood leukocyte number
BLD Neutr%	Blood neutrophil percentage
BLD Lymph%	Blood lymphocyte percentage
BLD Mono%	Blood monocyte percentage

BLD Eos%	Blood eosinophil percentage
BLD Baso%	Blood basophil percentage
BLD Neutr#	Blood neutrophil number
BLD Lymph#	Blood lymphocyte number
BLD Mono#	Blood monocyte number
BLD Eos#	Blood eosinophil number
BLD Baso#	Blood basophil number
SPLN %Lymph	Spleen lymphocyte percentage
SPLN %Non	Spleen non-lymphoid cell percentage
SPLN %T	Spleen total T-cell percentage
SPLN %CD4	Spleen CD4+ T-cell percentage
SPLN %CD4 act	Spleen activated CD4+ T-cell percentage
SPLN %CD8	Spleen CD8+ T-cell percentage
SPLN %CD8 act	Spleen activated CD8+ T-cell percentage
SPLN %B	Spleen B-cell percentage
SPLN %B act	Spleen activated B-cell percentage
SPLN %NK	Spleen Natural Killer cell percentage
SPLN 4:8	Spleen CD4+ : CD8+ T-cell ratio
SPLN B:T	Spleen B-cell : T-cell ratio
BAL #	Total Bronchoalveolar lavage (BAL) cell number
BAL %AM	BAL alveolar macrophage (AM) percentage
BAL %AM act	BAL activated alveolar macrophage percentage
BAL %Neutr	BAL neutrophil percentage
BAL %Lymph	BAL lymphocyte percentage
BAL %T	BAL total T-cell percentage
BAL %CD4	BAL CD4+ T-cell percentage
BAL %CD8	BAL CD8+ T-cell percentage
BAL %B	BAL B-cell percentage
BAL #AM	BAL alveolar macrophage number
BAL #AM act	BAL activated alveolar macrophage number
BAL #Neutr	BAL neutrophil number
BAL #Lymph	BAL lymphocyte number
BAL #T	BAL total T-cell number
BAL #CD4	BAL CD4+ T-cell number
BAL #CD8	BAL CD8+ T-cell number
BAL #B	BAL B-cell number