

## Body Fluid Reference Ranges

### SEROUS FLUIDS:

Pleural, peritoneal, ascites, pericardial, peritoneal lavage and dialysate

Source	Erythrocyte Count (cells/ $\mu$ l)	Leukocyte Count (cells/ $\mu$ l)	Differential*
Pleural	<10,000	<1000	*
Pericardial	<10,000	<1000	*
Peritoneal	<10,000	<500	Neutrophils <25%
Peritoneal lavage	<100,000	<200	*
Peritoneal dialysate	NA	<50	*
Appearances	Clear, Colorless to pale yellow, does not clot		
* Reference ranges for differential count have not been established			

### SYNOVIAL FLUIDS:

Parameter	Normal Reference
Total Volume	<4.0ml
Appearance	Clear, colorless to pale yellow
Viscosity	High; does not clot
Erythrocyte count	0
Leukocyte count	0-150 cells/ $\mu$ l
Neutrophils	Approx.10%
Lymphocytes	Approx.30%
Monocytes and macrophages	Approx.60%

### CSF:

Parameter	0-1 Year	>1 Year
Erythrocyte count	0-20 cells/ $\mu$ l	0-20 cells/ $\mu$ l
Leukocyte count	0-22 cells/ $\mu$ l	0-7 cells/ $\mu$ l
Neutrophils	0-8%	0-6%
Lymphocytes	5-35%	40-80%
Monocytes	50-90%	15-45%
Appearance	Clear and colorless with viscosity similar to water	