UA_BF_CSF Reference Ranges 2021															
Assay Display	Assay Description	Instrument/Bench Result Type	Age From	Age To	Sex	Specimen Type	Reference Low	Reference High	Critical Low	Critical High	Review Low	Review High	Linear Low	Linear High	Units of Measure
BF Baso	BF Baso	Numeric	0 Minutes	150 Years	All	All									%
BF Bronchial	BF Bronchial	Numeric	0 Minutes	150 Years	All	All									%
BF Endoth	BF Endoth	Numeric	0 Minutes	150 Years	All	All									%
BF Eos	BF Eos	Numeric	0 Minutes	150 Years	All	All									%
BF Lymph	BF Lymph	Numeric	0 Minutes	150 Years	All	All									%
BF Macroph	BF Macroph	Numeric	0 Minutes	150 Years	All	All									%
BF Man Nuc Dil	Mn Nuc Dil	Numeric	0 Minutes	150 Years	All	All									
BF Meso	Bf Meso	Numeric	0 Minutes	150 Years	All	All									%
BF MN Nuc #Sq	Mn Nuc #Sq	Numeric	0 Minutes	150 Years	All	All									
BF MN Nuc Avg	Mn Nuc Avg	Numeric	0 Minutes	150 Years	All	All									
BF Neut	Neutrophil Body Fluid	Numeric	0 Minutes	150 Years	All	All									%
BF Other	BF Other	Numeric	0 Minutes	150 Years	All	All									%
BF Synovial	BF Synovial	Numeric	0 Minutes	150 Years	All	All									%
BFDiff # Cells	BF Total (Nc)	Numeric	0 Minutes	150 Years	All	All									
C1 Baso	Basophil CSF Tube 1	Numeric	0 Minutes	150 Years	All	All	0	0							%
C1 Eos	Eosinophil CSF Tube 1	Numeric	0 Minutes	150 Years	All	All	0	0							%
C1 Epend Chor	Epend Chor Tube 2	Numeric	0 Minutes	150 Years	All	All									%
C1 Lymph	Lymphocyte CSF Tube 1	Numeric	0 Minutes	150 Years	All	All	40	80							%
C1 Macroph	Macrophage CSF Tube 1	Numeric	0 Minutes	150 Years	All	All	15	45							%
C1 Neut	Neutrophil CSF Tube 1	Numeric	0 Minutes	150 Years	All	All	0	6							%
C1 Nuc #Sq Ct'd	C1 Nuc # Squares Counted	Numeric	0 Minutes	150 Years	All	All									
C1 Nuc Avg Ct	C1 Nuc Average T	Numeric	0 Minutes	150 Years	All	All									
C1 Nuc Dil	C1 Nuc Cell Dilution	Numeric	0 Minutes	150 Years	All	All									
C1 Other Cells	Other Cells CSF Tube 1	Numeric	0 Minutes	150 Years	All	All	0	0							%
C1 RBC #Sq Ct'd	C1 RBC # Squares Counted	Numeric	0 Minutes	150 Years	All	All									
C1 RBC Avg	C1 RBC Average	Numeric	0 Minutes	150 Years	All	All									
C1 RBC Dil	C1 RBC Dilution	Numeric	0 Minutes	150 Years	All	All									
C1 Total Cells	Number Cells Counted On CSF Diff Tube 1	Numeric	0 Minutes	150 Years	All	All									
C2 Baso	Basophil CSF Tube 2	Numeric	0 Minutes	150 Years	All	All									%
C2 Eos	Eosinophil CSF Tube 2	Numeric	0 Minutes	150 Years	All	All	0	0							%
C2 Epend Chor	Epend Chor CSF Tube 2	Numeric	0 Minutes	150 Years	All	All									%
C2 Lymph	Lymphocyte CSF Tube 2	Numeric	0 Minutes	150 Years	All	All	40	80							%
C2 Macroph	Macrophage CSF Tube 2	Numeric	0 Minutes	150 Years	All	All	15	45							%
C2 Neut	Neutrophil CSF Tube 2	Numeric	0 Minutes	150 Years	All	All	0	6							%
C2 Nuc #Sq Ct'd	C2 Nuc # Squares Counted	Numeric	0 Minutes	150 Years	All	All									
C2 Nuc Avg Ct	C2 Nuc Average	Numeric	0 Minutes	150 Years	All	All									
C2 Nuc Dil	C2 Nuc Cell Dilution	Numeric	0 Minutes	150 Years	All	All									
C2 Other	Other Cells CSF Tube 2	Numeric	0 Minutes	150 Years	All	All	0	0							%
C2 RBC #Sq Ct'd	C2 RBC # Squares Counted	Numeric	0 Minutes	150 Years	All	All									
C2 RBC Avg	C2 RBC Average	Numeric	0 Minutes	150 Years	All	All									
C2 RBC Dil	C2 RBC Dilution	Numeric	0 Minutes	150 Years	All	All									
C2 Total Cells	Number Cells Counted On CSF Diff Tube 2	Numeric	0 Minutes	150 Years	All	All									
C3 Baso	Basophil CSF Tube 3	Numeric	0 Minutes	150 Years	All	All	0	0							%
C3 Eos	Eosinophil CSF Tube 3	Numeric	0 Minutes	150 Years	All	All	0	0							%
C3 Epend Chor	Epend Chor Tube 3	Numeric	0 Minutes	150 Years	All	All									%
C3 Lymph	Lymphocyte CSF Tube 3	Numeric	0 Minutes	150 Years	All	All	40	80							%
C3 Macroph	Macrophage CSF Tube 3	Numeric	0 Minutes	150 Years	All	All	15	45							%
C3 Neut	Neutrophil CSF Tube 3	Numeric	0 Minutes	150 Years	All	All	0	6							%
C3 Nuc #Sq Ct'd	C3 Nuc # Squares Counted	Numeric	0 Minutes	150 Years	All	All									
C3 Nuc Avg Ct	C3 Nuc Average Ct	Numeric	0 Minutes	150 Years	All	All									
C3 Nuc Dil	C3 Nuc Cell Dilution	Numeric	0 Minutes	150 Years	All	All									
C3 Other Cells	Other Cells CSF Tube 3	Numeric	0 Minutes	150 Years	All	All	0	0							%
C3 RBC #Sq Ct'd	C3 RBC # Squares Counted	Numeric	0 Minutes	150 Years	All	All									
C3 RBC Avg	C3 RBC Average	Numeric	0 Minutes	150 Years	All	All									
C3 RBC Dil	C3 RBC Dilution	Numeric	0 Minutes	150 Years	All	All									
C3 Total Cells	Number Cells Counted On CSF Diff Tube 3	Numeric	0 Minutes	150 Years	All	All									
C4 Baso	Basophil CSF Tube 4	Numeric	0 Minutes	150 Years	All	All	0	0							%
C4 Eos	Eosinophil CSF Tube 4	Numeric	0 Minutes	150 Years	All	All	0	0							%
C4 Epend Chor	Epend Chor CSF Tube 4	Numeric	0 Minutes	150 Years	All	All									%
C4 Lymph	Lymphocyte CSF Tube 4	Numeric	0 Minutes	150 Years	All	All	40	80							%
C4 Macroph	Macrophage CSF Tube 4	Numeric	0 Minutes	150 Years	All	All	15	45							%
C4 Neut	Neutrophil CSF Tube 4	Numeric	0 Minutes	150 Years	All	All	0	6							%
C4 Nuc #Sq Ct'd	C4 Nuc # Squares Counted	Numeric	0 Minutes	150 Years	All	All									
C4 Nuc Avg Ct	C4 Nuc Average	Numeric	0 Minutes	150 Years	All	All									
C4 Nuc Dil	C4 Nuc Dilution	Numeric	0 Minutes	150 Years	All	All									

UA_BF_CSF Reference Ranges 2021															
Assay Display	Assay Description	Instrument/Bench Result Type	Age From	Age To	Sex	Specimen Type	Reference Low	Reference High	Critical Low	Critical High	Review Low	Review High	Linear Low	Linear High	Units of Measure
C4 Other Cells	Other Cells CSF Tube 4	Numeric	0 Minutes	150 Years	All	All	0	0							%
C4 RBC #Sq Ct'd	C4 RBC # Squares Counted	Numeric	0 Minutes	150 Years	All	All									
C4 RBC Avg	C4 RBC Average	Numeric	0 Minutes	150 Years	All	All									
C4 RBC Dil	C4 RBC Dilution	Numeric	0 Minutes	150 Years	All	All									
C4 Total Cells	Number Cells Counted On CSF Diff Tube 4	Numeric	0 Minutes	150 Years	All	All									
MN FLQC Nuc Ct	MN FLQC Nuc Ct	Numeric	0 Minutes	150 Years	All	All									
SH Baso	Basophil CSF Shunt (EVD)	Numeric	0 Minutes	150 Years	All	All	0	0							%
SH Eos	Eosinophil CSF Shunt (EVD)	Numeric	0 Minutes	150 Years	All	All	0	0							%
SH Epend Chor	SH Epend Chor	Numeric	0 Minutes	150 Years	All	All									%
SH Lymph	Lymphocyte CSF Shunt (EVD)	Numeric	0 Minutes	150 Years	All	All	40	80							%
SH Macroph	Macrophage CSF Shunt (EVD)	Numeric	0 Minutes	150 Years	All	All	15	45							%
SH Neut	Neutrophil CSF Shunt (EVD)	Numeric	0 Minutes	150 Years	All	All	0	6							%
Sh Nuc #Sq Ct'd	Sh Nuc # Squares Counted	Numeric	0 Minutes	150 Years	All	All									
SH Nuc Avg Ct	Sh Nuc Average Ct	Numeric	0 Minutes	150 Years	All	All									
Sh Nuc Dil	Sh Nuc Cell Dilution	Numeric	0 Minutes	150 Years	All	All									
SH Other Cells	Other Cells CSF Shunt (EVD)	Numeric	0 Minutes	150 Years	All	All	0	0							%
SH Total Cells	Nbr Cells Counted On CSF Diff Shunt(EVD)	Numeric	0 Minutes	150 Years	All	All									
BF Baso	BF Baso	Numeric	0 Minutes	150 Years	All	All									%
BF Eos	BF Eos	Numeric	0 Minutes	150 Years	All	All									%
BF Lymph	BF Lymph	Numeric	0 Minutes	150 Years	All	All									%
BF Macroph	BF Macroph	Numeric	0 Minutes	150 Years	All	All									%
BF Man Nuc Dil	Mn Nuc Dil	Numeric	0 Minutes	150 Years	All	All									
BF Meso	Bf Meso	Numeric	0 Minutes	150 Years	All	All									%
BF MN Nuc #Sq	Mn Nuc #Sq	Numeric	0 Minutes	150 Years	All	All									
BF MN Nuc Avg	Mn Nuc Avg	Numeric	0 Minutes	150 Years	All	All									
BF Neut	Neutrophil Body Fluid	Numeric	0 Minutes	150 Years	All	All									%
BF Nuc Cell CT	Nucleated Cell Ct	Numeric	0 Minutes	1 Months	All	All	0	30							/uL
BF Nuc Cell CT	Nucleated Cell Ct	Numeric	1 Months	150 Years	All	All	0	5							/uL
BF Other	BF Other	Numeric	0 Minutes	150 Years	All	All									%
BFDiff # Cells	BF Total (Nc)	Numeric	0 Minutes	150 Years	All	All									
C1 Baso	Basophil CSF Tube 1	Numeric	0 Minutes	150 Years	All	All	0	0							%
C1 Eos	Eosinophil CSF Tube 1	Numeric	0 Minutes	150 Years	All	All	0	0							%
C1 Lymph	Lymphocyte CSF Tube 1	Numeric	0 Minutes	150 Years	All	All	40	80							%
C1 Macroph	Macrophage CSF Tube 1	Numeric	0 Minutes	150 Years	All	All	15	45							%
C1 Neut	Neutrophil CSF Tube 1	Numeric	0 Minutes	150 Years	All	All	0	6							%
C1 Nuc #Sq Ct'd	C1 Nuc # Squares Counted	Numeric	0 Minutes	150 Years	All	All									
C1 Nuc Avg Ct	C1 Nuc Average T	Numeric	0 Minutes	150 Years	All	All									
C1 Nuc Cell Ct	Nucleated Count CSF Tube 1	Numeric	0 Minutes	1 Months	All	All	0	30							/uL
C1 Nuc Cell Ct	Nucleated Count CSF Tube 1	Numeric	1 Months	150 Years	All	All	0	5							/uL
C1 Nuc Dil	C1 Nuc Cell Dilution	Numeric	0 Minutes	150 Years	All	All									
C1 Other Cells	Other Cells CSF Tube 1	Numeric	0 Minutes	150 Years	All	All	0	0							%
C1 RBC #Sq Ct'd	C1 RBC # Squares Counted	Numeric	0 Minutes	150 Years	All	All									
C1 RBC Avg	C1 RBC Average	Numeric	0 Minutes	150 Years	All	All									
C1 RBC Ct	Rbc Count CSF Tube 1	Numeric	0 Minutes	150 Years	All	All	0	0							/uL
C1 RBC Dil	C1 RBC Dilution	Numeric	0 Minutes	150 Years	All	All									
C1 Total Cells	Number Cells Counted On CSF Diff Tube 1	Numeric	0 Minutes	150 Years	All	All									
C2 Baso	Basophil CSF Tube 2	Numeric	0 Minutes	150 Years	All	All									%
C2 Eos	Eosinophil CSF Tube 2	Numeric	0 Minutes	150 Years	All	All	0	0							%
C2 Lymph	Lymphocyte CSF Tube 2	Numeric	0 Minutes	150 Years	All	All	40	80							%
C2 Macroph	Macrophage CSF Tube 2	Numeric	0 Minutes	150 Years	All	All	15	45							%
C2 Neut	Neutrophil CSF Tube 2	Numeric	0 Minutes	150 Years	All	All	0	6							%
C2 Nuc #Sq Ct'd	C2 Nuc # Squares Counted	Numeric	0 Minutes	150 Years	All	All									
C2 Nuc Avg Ct	C2 Nuc Average	Numeric	0 Minutes	150 Years	All	All									
C2 Nuc Cell Ct	Nucleated Count CSF Tube 2	Numeric	0 Minutes	1 Months	All	All	0	30							/uL
C2 Nuc Cell Ct	Nucleated Count CSF Tube 2	Numeric	1 Months	150 Years	All	All	0	5							/uL
C2 Nuc Dil	C2 Nuc Cell Dilution	Numeric	0 Minutes	150 Years	All	All									
C2 Other	Other Cells CSF Tube 2	Numeric	0 Minutes	150 Years	All	All	0	0							%
C2 RBC #Sq Ct'd	C2 RBC # Squares Counted	Numeric	0 Minutes	150 Years	All	All									
C2 RBC Avg	C2 RBC Average	Numeric	0 Minutes	150 Years	All	All									
C2 RBC Ct	Rbc Count CSF Tube 2	Numeric	0 Minutes	150 Years	All	All	0	0							/uL
C2 RBC Dil	C2 RBC Dilution	Numeric	0 Minutes	150 Years	All	All									
C2 Total Cells	Number Cells Counted On CSF Diff Tube 2	Numeric	0 Minutes	150 Years	All	All									
C3 Baso	Basophil CSF Tube 3	Numeric	0 Minutes	150 Years	All	All	0	0							%
C3 Eos	Eosinophil CSF Tube 3	Numeric	0 Minutes	150 Years	All	All	0	0							%
C3 Lymph	Lymphocyte CSF Tube 3	Numeric	0 Minutes	150 Years	All	All	40	80							%

UA_BF_CSF Reference Ranges 2021															
Assay Display	Assay Description	Instrument/Bench Result Type	Age From	Age To	Sex	Specimen Type	Reference Low	Reference High	Critical Low	Critical High	Review Low	Review High	Linear Low	Linear High	Units of Measure
C3 Macroph	Macrophage CSF Tube 3	Numeric	0 Minutes	150 Years	All	All	15	45							%
C3 Neut	Neutrophil CSF Tube 3	Numeric	0 Minutes	150 Years	All	All	0	6							%
C3 Nuc #Sq Ct'd	C3 Nuc # Squares Counted	Numeric	0 Minutes	150 Years	All	All									
C3 Nuc Avg Ct	C3 Nuc Average Ct	Numeric	0 Minutes	150 Years	All	All									
C3 Nuc Cell Ct	Nucleated Count CSF Tube 3	Numeric	0 Minutes	1 Months	All	All	0	30							/uL
C3 Nuc Cell Ct	Nucleated Count CSF Tube 3	Numeric	1 Months	150 Years	All	All	0	5							/uL
C3 Nuc Dil	C3 Nuc Cell Dilution	Numeric	0 Minutes	150 Years	All	All									
C3 Other Cells	Other Cells CSF Tube 3	Numeric	0 Minutes	150 Years	All	All	0	0							%
C3 RBC #Sq Ct'd	C3 RBC # Squares Counted	Numeric	0 Minutes	150 Years	All	All									
C3 RBC Avg	C3 RBC Average	Numeric	0 Minutes	150 Years	All	All									
C3 RBC Ct	Rbc Count CSF Tube 3	Numeric	0 Minutes	150 Years	All	All	0	0							/uL
C3 RBC Dil	C3 RBC Dilution	Numeric	0 Minutes	150 Years	All	All									
C3 Total Cells	Number Cells Counted On CSF Diff Tube 3	Numeric	0 Minutes	150 Years	All	All									
C4 Baso	Basophil CSF Tube 4	Numeric	0 Minutes	150 Years	All	All	0	0							%
C4 Eos	Eosinophil CSF Tube 4	Numeric	0 Minutes	150 Years	All	All	0	0							%
C4 Lymph	Lymphocyte CSF Tube 4	Numeric	0 Minutes	150 Years	All	All	40	80							%
C4 Macroph	Macrophage CSF Tube 4	Numeric	0 Minutes	150 Years	All	All	15	45							%
C4 Neut	Neutrophil CSF Tube 4	Numeric	0 Minutes	150 Years	All	All	0	6							%
C4 Nuc #Sq Ct'd	C4 Nuc # Squares Counted	Numeric	0 Minutes	150 Years	All	All									
C4 Nuc Avg Ct	C4 Nuc Average	Numeric	0 Minutes	150 Years	All	All									
C4 Nuc Cell Ct	Nucleated Count CSF Tube 4	Numeric	0 Minutes	1 Months	All	All	0	30							/uL
C4 Nuc Cell Ct	Nucleated Count CSF Tube 4	Numeric	1 Months	150 Years	All	All	0	5							/uL
C4 Nuc Dil	C4 Nuc Dilution	Numeric	0 Minutes	150 Years	All	All									
C4 Other Cells	Other Cells CSF Tube 4	Numeric	0 Minutes	150 Years	All	All	0	0							%
C4 RBC #Sq Ct'd	C4 RBC # Squares Counted	Numeric	0 Minutes	150 Years	All	All									
C4 RBC Avg	C4 RBC Average	Numeric	0 Minutes	150 Years	All	All									
C4 RBC Ct	Rbc Count CSF Tube 4	Numeric	0 Minutes	150 Years	All	All	0	0							/uL
C4 RBC Dil	C4 RBC Dilution	Numeric	0 Minutes	150 Years	All	All									
C4 Total Cells	Number Cells Counted On CSF Diff Tube 4	Numeric	0 Minutes	150 Years	All	All									
Cellular Cast	Cellular Cast	Numeric	0 Minutes	150 Years	All	All									/LPF
Gran Cast	Granular Cast	Numeric	0 Minutes	150 Years	All	All		1				2857			/LPF
Hyl Cast	Hyaline Cast	Numeric	0 Minutes	150 Years	All	All		2				2857			/LPF
RBC Cast	RBC Cast	Numeric	0 Minutes	150 Years	All	All		1				2857			/LPF
Renal Epi	Renal Epithelial	Numeric	0 Minutes	150 Years	All	All		1				180			/HPF
SH Baso	Basophil CSF Shunt (EVD)	Numeric	0 Minutes	150 Years	All	All	0	0							%
SH Eos	Eosinophil CSF Shunt (EVD)	Numeric	0 Minutes	150 Years	All	All	0	0							%
SH Lymph	Lymphocyte CSF Shunt (EVD)	Numeric	0 Minutes	150 Years	All	All	40	80							%
SH Macroph	Macrophage CSF Shunt (EVD)	Numeric	0 Minutes	150 Years	All	All	15	45							%
SH Neut	Neutrophil CSF Shunt (EVD)	Numeric	0 Minutes	150 Years	All	All	0	6							%
Sh Nuc #Sq Ct'd	Sh Nuc # Squares Counted	Numeric	0 Minutes	150 Years	All	All									
SH Nuc Avg Ct	Sh Nuc Average Ct	Numeric	0 Minutes	150 Years	All	All									
SH Nuc Cell Ct	Nucleated Count CSF Shunt (EVD)	Numeric	0 Minutes	1 Months	All	All	0	30							/uL
SH Nuc Cell Ct	Nucleated Count CSF Shunt (EVD)	Numeric	1 Months	150 Years	All	All	0	5							/uL
Sh Nuc Dil	Sh Nuc Cell Dilution	Numeric	0 Minutes	150 Years	All	All									
SH Other Cells	Other Cells CSF Shunt (EVD)	Numeric	0 Minutes	150 Years	All	All	0	0							%
SH Total Cells	Nbr Cells Counted On CSF Diff Shunt(EVD)	Numeric	0 Minutes	150 Years	All	All									
Sq Epi	Squamous Epithelial	Numeric	0 Minutes	150 Years	All	All		5				180			/HPF
Trans Epi	Trans Epithelial	Numeric	0 Minutes	150 Years	All	All		1				180			/HPF
UA pH	Urine pH	Numeric	0 Minutes	150 Years	All	All	5	8							
UA Spec Grav	Urine Specific Gravity	Numeric	0 Minutes	150 Years	All	All	1.016	1.022							
UA Urobilinogen	Urobilinogen Urine	Numeric	0 Minutes	150 Years	All	All		2							mg/dL
URBC	Urine RBC	Numeric	0 Minutes	150 Years	All	All		2						150	/HPF
UWBC	Urine WBC	Numeric	0 Minutes	150 Years	All	All		5						150	/HPF
Waxy Cast	Waxy Cast	Numeric	0 Minutes	150 Years	All	All		1				2857			/LPF
WBC Cast	WBC Cast	Numeric	0 Minutes	150 Years	All	All		1				2857			/LPF
BF Baso	BF Baso	Numeric	0 Minutes	150 Years	All	All									%
BF Eos	BF Eos	Numeric	0 Minutes	150 Years	All	All									%
BF Lymph	BF Lymph	Numeric	0 Minutes	150 Years	All	All									%
BF Macroph	BF Macroph	Numeric	0 Minutes	150 Years	All	All									%
BF Man Nuc Dil	Mn Nuc Dil	Numeric	0 Minutes	150 Years	All	All									
BF Meso	Bf Meso	Numeric	0 Minutes	150 Years	All	All									%
BF MN Nuc #Sq	Mn Nuc #Sq	Numeric	0 Minutes	150 Years	All	All									
BF MN Nuc Avg	Mn Nuc Avg	Numeric	0 Minutes	150 Years	All	All									
BF Neut	Neutrophil Body Fluid	Numeric	0 Minutes	150 Years	All	All									%
BF Nuc Cell CT	Nucleated Cell Ct	Numeric	0 Minutes	1 Months	All	All	0	30							/uL

UA_BF_CSF Reference Ranges 2021															
Assay Display	Assay Description	Instrument/Bench Result Type	Age From	Age To	Sex	Specimen Type	Reference Low	Reference High	Critical Low	Critical High	Review Low	Review High	Linear Low	Linear High	Units of Measure
BF Nuc Cell CT	Nucleated Cell Ct	Numeric	1 Months	150 Years	All	All	0	5							/uL
BF Other	BF Other	Numeric	0 Minutes	150 Years	All	All									%
BFDiff # Cells	BF Total (Nc)	Numeric	0 Minutes	150 Years	All	All									
C1 Baso	Basophil CSF Tube 1	Numeric	0 Minutes	150 Years	All	All	0	0							%
C1 Eos	Eosinophil CSF Tube 1	Numeric	0 Minutes	150 Years	All	All	0	0							%
C1 Lymph	Lymphocyte CSF Tube 1	Numeric	0 Minutes	150 Years	All	All	40	80							%
C1 Macroph	Macrophage CSF Tube 1	Numeric	0 Minutes	150 Years	All	All	15	45							%
C1 Neut	Neutrophil CSF Tube 1	Numeric	0 Minutes	150 Years	All	All	0	6							%
C1 Nuc #Sq Ct'd	C1 Nuc # Squares Counted	Numeric	0 Minutes	150 Years	All	All									
C1 Nuc Avg Ct	C1 Nuc Average T	Numeric	0 Minutes	150 Years	All	All									
C1 Nuc Cell Ct	Nucleated Count CSF Tube 1	Numeric	0 Minutes	1 Months	All	All	0	30							/uL
C1 Nuc Cell Ct	Nucleated Count CSF Tube 1	Numeric	1 Months	150 Years	All	All	0	5							/uL
C1 Nuc Dil	C1 Nuc Cell Dilution	Numeric	0 Minutes	150 Years	All	All									
C1 Other Cells	Other Cells CSF Tube 1	Numeric	0 Minutes	150 Years	All	All	0	0							%
C1 RBC #Sq Ct'd	C1 RBC # Squares Counted	Numeric	0 Minutes	150 Years	All	All									
C1 RBC Avg	C1 RBC Average	Numeric	0 Minutes	150 Years	All	All									
C1 RBC Ct	Rbc Count CSF Tube 1	Numeric	0 Minutes	150 Years	All	All	0	0							/uL
C1 RBC Dil	C1 RBC Dilution	Numeric	0 Minutes	150 Years	All	All									
C1 Total Cells	Number Cells Counted On CSF Diff Tube 1	Numeric	0 Minutes	150 Years	All	All									
C2 Baso	Basophil CSF Tube 2	Numeric	0 Minutes	150 Years	All	All									%
C2 Eos	Eosinophil CSF Tube 2	Numeric	0 Minutes	150 Years	All	All	0	0							%
C2 Lymph	Lymphocyte CSF Tube 2	Numeric	0 Minutes	150 Years	All	All	40	80							%
C2 Macroph	Macrophage CSF Tube 2	Numeric	0 Minutes	150 Years	All	All	15	45							%
C2 Neut	Neutrophil CSF Tube 2	Numeric	0 Minutes	150 Years	All	All	0	6							%
C2 Nuc #Sq Ct'd	C2 Nuc # Squares Counted	Numeric	0 Minutes	150 Years	All	All									
C2 Nuc Avg Ct	C2 Nuc Average	Numeric	0 Minutes	150 Years	All	All									
C2 Nuc Cell Ct	Nucleated Count CSF Tube 2	Numeric	0 Minutes	1 Months	All	All	0	30							/uL
C2 Nuc Cell Ct	Nucleated Count CSF Tube 2	Numeric	1 Months	150 Years	All	All	0	5							/uL
C2 Nuc Dil	C2 Nuc Cell Dilution	Numeric	0 Minutes	150 Years	All	All									
C2 Other	Other Cells CSF Tube 2	Numeric	0 Minutes	150 Years	All	All	0	0							%
C2 RBC #Sq Ct'd	C2 RBC # Squares Counted	Numeric	0 Minutes	150 Years	All	All									
C2 RBC Avg	C2 RBC Average	Numeric	0 Minutes	150 Years	All	All									
C2 RBC Ct	Rbc Count CSF Tube 2	Numeric	0 Minutes	150 Years	All	All	0	0							/uL
C2 RBC Dil	C2 RBC Dilution	Numeric	0 Minutes	150 Years	All	All									
C2 Total Cells	Number Cells Counted On CSF Diff Tube 2	Numeric	0 Minutes	150 Years	All	All									
C3 Baso	Basophil CSF Tube 3	Numeric	0 Minutes	150 Years	All	All	0	0							%
C3 Eos	Eosinophil CSF Tube 3	Numeric	0 Minutes	150 Years	All	All	0	0							%
C3 Lymph	Lymphocyte CSF Tube 3	Numeric	0 Minutes	150 Years	All	All	40	80							%
C3 Macroph	Macrophage CSF Tube 3	Numeric	0 Minutes	150 Years	All	All	15	45							%
C3 Neut	Neutrophil CSF Tube 3	Numeric	0 Minutes	150 Years	All	All	0	6							%
C3 Nuc #Sq Ct'd	C3 Nuc # Squares Counted	Numeric	0 Minutes	150 Years	All	All									
C3 Nuc Avg Ct	C3 Nuc Average Ct	Numeric	0 Minutes	150 Years	All	All									
C3 Nuc Cell Ct	Nucleated Count CSF Tube 3	Numeric	0 Minutes	1 Months	All	All	0	30							/uL
C3 Nuc Cell Ct	Nucleated Count CSF Tube 3	Numeric	1 Months	150 Years	All	All	0	5							/uL
C3 Nuc Dil	C3 Nuc Cell Dilution	Numeric	0 Minutes	150 Years	All	All									
C3 Other Cells	Other Cells CSF Tube 3	Numeric	0 Minutes	150 Years	All	All	0	0							%
C3 RBC #Sq Ct'd	C3 RBC # Squares Counted	Numeric	0 Minutes	150 Years	All	All									
C3 RBC Avg	C3 RBC Average	Numeric	0 Minutes	150 Years	All	All									
C3 RBC Ct	Rbc Count CSF Tube 3	Numeric	0 Minutes	150 Years	All	All	0	0							/uL
C3 RBC Dil	C3 RBC Dilution	Numeric	0 Minutes	150 Years	All	All									
C3 Total Cells	Number Cells Counted On CSF Diff Tube 3	Numeric	0 Minutes	150 Years	All	All									
C4 Baso	Basophil CSF Tube 4	Numeric	0 Minutes	150 Years	All	All	0	0							%
C4 Eos	Eosinophil CSF Tube 4	Numeric	0 Minutes	150 Years	All	All	0	0							%
C4 Lymph	Lymphocyte CSF Tube 4	Numeric	0 Minutes	150 Years	All	All	40	80							%
C4 Macroph	Macrophage CSF Tube 4	Numeric	0 Minutes	150 Years	All	All	15	45							%
C4 Neut	Neutrophil CSF Tube 4	Numeric	0 Minutes	150 Years	All	All	0	6							%
C4 Nuc #Sq Ct'd	C4 Nuc # Squares Counted	Numeric	0 Minutes	150 Years	All	All									
C4 Nuc Avg Ct	C4 Nuc Average	Numeric	0 Minutes	150 Years	All	All									
C4 Nuc Cell Ct	Nucleated Count CSF Tube 4	Numeric	0 Minutes	1 Months	All	All	0	30							/uL
C4 Nuc Cell Ct	Nucleated Count CSF Tube 4	Numeric	1 Months	150 Years	All	All	0	5							/uL
C4 Nuc Dil	C4 Nuc Dilution	Numeric	0 Minutes	150 Years	All	All									
C4 Other Cells	Other Cells CSF Tube 4	Numeric	0 Minutes	150 Years	All	All	0	0							%
C4 RBC #Sq Ct'd	C4 RBC # Squares Counted	Numeric	0 Minutes	150 Years	All	All									
C4 RBC Avg	C4 RBC Average	Numeric	0 Minutes	150 Years	All	All									
C4 RBC Ct	Rbc Count CSF Tube 4	Numeric	0 Minutes	150 Years	All	All	0	0							/uL

UA_BF_CSF Reference Ranges 2021															
Assay Display	Assay Description	Instrument/Bench Result Type	Age From	Age To	Sex	Specimen Type	Reference Low	Reference High	Critical Low	Critical High	Review Low	Review High	Linear Low	Linear High	Units of Measure
C4 RBC Dil	C4 RBC Dilution	Numeric	0 Minutes	150 Years	All	All									
C4 Total Cells	Number Cells Counted On CSF Diff Tube 4	Numeric	0 Minutes	150 Years	All	All									
Cellular Cast	Cellular Cast	Numeric	0 Minutes	150 Years	All	All									/LPF
Gran Cast	Granular Cast	Numeric	0 Minutes	150 Years	All	All		1				2857			/LPF
Hyl Cast	Hyaline Cast	Numeric	0 Minutes	150 Years	All	All		2				2857			/LPF
RBC Cast	RBC Cast	Numeric	0 Minutes	150 Years	All	All		1				2857			/LPF
Renal Epi	Renal Epithelial	Numeric	0 Minutes	150 Years	All	All		1				180			/HPF
SH Baso	Basophil CSF Shunt (EVD)	Numeric	0 Minutes	150 Years	All	All	0	0							%
SH Eos	Eosinophil CSF Shunt (EVD)	Numeric	0 Minutes	150 Years	All	All	0	0							%
SH Lymph	Lymphocyte CSF Shunt (EVD)	Numeric	0 Minutes	150 Years	All	All	40	80							%
SH Macroph	Macrophage CSF Shunt (EVD)	Numeric	0 Minutes	150 Years	All	All	15	45							%
SH Neut	Neutrophil CSF Shunt (EVD)	Numeric	0 Minutes	150 Years	All	All	0	6							%
Sh Nuc #Sq Ct'd	Sh Nuc # Squares Counted	Numeric	0 Minutes	150 Years	All	All									
SH Nuc Avg Ct	Sh Nuc Average Ct	Numeric	0 Minutes	150 Years	All	All									
SH Nuc Cell Ct	Nucleated Count CSF Shunt (EVD)	Numeric	0 Minutes	1 Months	All	All	0	30							/uL
SH Nuc Cell Ct	Nucleated Count CSF Shunt (EVD)	Numeric	1 Months	150 Years	All	All	0	5							/uL
Sh Nuc Dil	Sh Nuc Cell Dilution	Numeric	0 Minutes	150 Years	All	All									
SH Other Cells	Other Cells CSF Shunt (EVD)	Numeric	0 Minutes	150 Years	All	All	0	0							%
SH Total Cells	Nbr Cells Counted On CSF Diff Shunt(EVD)	Numeric	0 Minutes	150 Years	All	All									
Sq Epi	Squamous Epithelial	Numeric	0 Minutes	150 Years	All	All		5				180			/HPF
Trans Epi	Trans Epithelial	Numeric	0 Minutes	150 Years	All	All		1				180			/HPF
UA pH	Urine pH	Numeric	0 Minutes	150 Years	All	All	5	8							
UA Spec Grav	Urine Specific Gravity	Numeric	0 Minutes	150 Years	All	All	1.016	1.022							
UA Urobilinogen	Urobilinogen Urine	Numeric	0 Minutes	150 Years	All	All		2							mg/dL
URBC	Urine RBC	Numeric	0 Minutes	150 Years	All	All		2						150	/HPF
UWBC	Urine WBC	Numeric	0 Minutes	150 Years	All	All		5						150	/HPF
Waxy Cast	Waxy Cast	Numeric	0 Minutes	150 Years	All	All		1				2857			/LPF
WBC Cast	WBC Cast	Numeric	0 Minutes	150 Years	All	All		1				2857			/LPF