



ALTA DIAGNOSTICS, INC.

2560 BUSINESS PARKWAY STE C, MINDEN, NV 89423
 (800) 359-9691 (775) 267-3001 FAX: (775) 267-1142

LIQUID HUMAN SPINAL FLUID CONTROL

LEVEL 1 LOT#017211 LEVEL 2 LOT#017212 EXPIRATION DATE 01/13
 18 MONTH OPEN VIAL STABILITY

CSF

		INSTRUMENTS												
		TARGET VALUES		BECKMAN		DIMENSION		HITACHI		VITROS		↓		
		LEVEL 1	LEVEL 2	LEVEL 1	LEVEL 2	LEVEL 1	LEVEL 2	LEVEL 1	LEVEL 2	LEVEL 1	LEVEL 2	LEVEL 1	LEVEL 2	
ANALYTES	Tot-Protein	MG/DL	25	70	40 ± 10	73 ± 14	43 ± 10	75 ± 14	37 ± 10	79 ± 14				
	Glucose	MG/DL	65	125	55 ± 10	116 ± 15	55 ± 10	114 ± 16	57 ± 13	118 ± 15				
	Chloride	MEQ/L	135	180	136 ± 16	171 ± 19	141 ± 17	171 ± 16	138 ± 16	172 ± 17				
	Sodium	MEQ/L	155	185	153 ± 15	183 ± 22	153 ± 15	183 ± 22	155 ± 14	185 ± 23				
	Potassium	MEQ/L	3	6	3.0 ± 1.0	6.2 ± 1.2	3.1 ± 1.2	6.3 ± 1.6	3.2 ± 1.2	6.4 ± 1.2				
	Lactic Acid	MMO/L	1.8	6.5	2.1 ± 1.0	7.4 ± 2.0	2.2 ± 1.1	7.7 ± 2.9						
	LDH	IU/L	20	45	14 ± 6	26 ± 11	13 ± 6	26 ± 11						

You may enter the mean and range values for your instrument in these last columns. ↓ ↓

ELECTROPHORESIS	ANALYTE	UNITS	LEVEL 1	LEVEL 2
	Total Protein	MG/DL	34	77
	Prealbumin	% T-Protein	0.7	0.7
	Albumin	% T-Protein	52	58
	Alpha 1 Globulin	% T-Protein	5.2	5.7
	Alpha 2 Globulin	% T-Protein	12	12.2
	Beta Globulin	% T-Protein	9.3	9.7
	Gamma Globulin	% T-Protein	12.9	12.6

*The range of Vitros values run with the same generation lot number will be about ± 10% less. However, a different generation lot number may show a mean shift greater than 10%.

**LDH values obtained by Dimension showed wide variation and gave erratic results especially at lower concentration of LDH in Level 1.

ANALYTE	LEVEL 1	LEVEL 2
ALBUMIN	19 ± 7	42 ± 8
IGA		
IGG	4.8 ± 2	9.4 ± 3
IGM		

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