



ALTA DIAGNOSTICS, INC.

3123 Research Way Ste 214, Carson City, NV 89706
 (800) 359-9691 (775) 283-5780 FAX: (775) 283-5787

LIQUID HUMAN SPINAL FLUID CONTROL

LEVEL 1 LOT#068211 LEVEL 2 LOT#068212 EXPIRATION DATE 02/2014
 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	37 ± 12	72 ± 14	36 ± 11	72 ± 14	38 ± 12	74 ± 14				
	Glucose	MG/DL	65	125	56 ± 10	112 ± 18	56 ± 10	112 ± 18	54 ± 12	116 ± 14				
	Chloride	MEQ/L	135	180	135 ± 18	168 ± 18	134 ± 19	168 ± 16	135 ± 17	166 ± 18				
	Sodium	MEQ/L	155	185	151 ± 14	180 ± 20	151 ± 14	180 ± 20	156 ± 15	184 ± 26				
	Potassium	MEQ/L	3	6	3.0 ± 1.2	6.2 ± 1.4	3.0 ± 1.2	6.1 ± 1.5	3.2 ± 1.2	6.2 ± 1.4				
	Lactic Acid	MMO/L	1.8	6.5	1.8 ± 1.1	7.0 ± 2.8	1.8 ± 1.1	7.0 ± 2.8						
	LDH	IU/L	20	45			8 ± 5	26 ± 15						

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	36	72
	Prealbumin	% T-Protein	0.7	0.7
	Albumin	% T-Protein	57	62
	Alpha 1 Globulin	% T-Protein	5.3	5.8
	Alpha 2 Globulin	% T-Protein	12.4	12.2
	Beta Globulin	% T-Protein	9.3	9.6
	Gamma Globulin	% T-Protein	12.9	12.8

*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	22 ± 7	40 ± 8
IGA		
IGG	3.8 ± 2	9.3 ± 4
IGM		

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