



# 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#261911    LEVEL 2 LOT#261912    EXPIRATION DATE: **DECEMBER 2011**  
 18 MONTH OPEN VIAL STABILITY

### CSF

		<b>INSTRUMENTS</b>												
		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	
<b>ANALYTES</b>	Tot-Protein	MG/DL	25	70	32 ± 7	72 ± 12	32 ± 7	72 ± 9	33 ± 7	72 ± 10				
	Glucose	MG/DL	65	125	57 ± 7	110 ± 15	50 ± 7	110 ± 15	51 ± 12	110 ± 15				
	Chloride	MEQ/L	135	180	141 ± 15	181 ± 18	141 ± 17	181 ± 16	141 ± 16	181 ± 17				
	Sodium	MEQ/L	155	185	152 ± 15	184 ± 18	152 ± 15	184 ± 18	152 ± 14	184 ± 18				
	Potassium	MEQ/L	3	6	3.1 ± 0.5	6.2 ± 0.6	3.1 ± 0.6	6.2 ± 1.0	3.2 ± 0.5	6.3 ± 0.6				
	Lactic Acid	MMO/L	1.8	6.5	2.1 ± 0.5	7.4 ± 1.0	2.1 ± 1.1	7.4 ± 1.0						
	LDH	IU/L	20	45	11 ± 5	25 ± 6	11 ± 5	25 ± 9						

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

<b>ELECTROPHORESIS</b>	ANALYTE	UNITS	LEVEL 1	LEVEL 2
	Total Protein	MG/DL	<b>34</b>	<b>73</b>
	Prealbumin	% T-Protein	<b>0.7</b>	<b>0.7</b>
	Albumin	% T-Protein	<b>57</b>	<b>61</b>
	Alpha 1 Globulin	% T-Protein	<b>5.6</b>	<b>5.7</b>
	Alpha 2 Globulin	% T-Protein	<b>12.4</b>	<b>12.2</b>
	Beta Globulin	% T-Protein	<b>9.3</b>	<b>9.7</b>
	Gamma Globulin	% T-Protein	<b>12.9</b>	<b>13.0</b>

\*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	46 ± 8
IGA		
IGG	4.8 ± 2	12 ± 5
IGM		

### CSF