

Fluid Reference Guide

Approved List of fluids for Abbott Architect Chemistry Analyzers

	CSF	Peritoneal	Pleural	Dialysate	Pancreatic	Fecal	Amniotic	Breast Milk
Albumin		X	X					
Amylase		X	X		X			
Total Bilirubin		X	X					
Calcium								X
Chloride						X		X
Cholesterol		X	X					
Creatinine		X		X				
Glucose		X	X	X			X	
Glucose, CSF	X							
Lactic Acid	X							
LD	X	X	X					
Magnesium								X
Potassium						X		X
Protein, CSF	X							
Protein, Total		X	X					
Sodium						X		X
Triglycerides		X	X					
Urea Nitrogen				X				

CSF has been approved by the FDA for Glucose and Protein testing on the analyzer and will be tested using the analyzer designated method. (Glucose, CSF and Protein, CSF). The Peritoneal, Pleural, Dialysate, Pancreatic and Amniotic fluid have been laboratory validated using the Serum Method. Fecal and Breast Milk have been validated using the Urine Method. Refer to **Attachment C** for the reportable ranges.

Reference Ranges

Albumin

- Peritoneal Fluid A serum to fluid gradient >1.1 g/dL is seen in transudates. A serum to fluid gradient <= 1.1 g/dL is seen in exudates
- Pleural Fluid A serum to fluid gradient <= 1.2 g/dL is consistent with exudate.

Amylase

- Peritoneal Fluid Values less than 3X a simultaneously analyzed serum value
- Pleural Fluid <104 U/L or a fluid to serum ratio less than 1.5-2.0
- Pancreatic Fluid Pancreatic pseudocysts generally contain significantly elevated amylase (e.g.) >250 IU/L, whereas mucinous and serous cysts and adenocarcinoma usually have lower

Total Bilirubin

- Peritoneal Fluid Ascitic fluid bilirubin < 6mg/dL and a ascitic fluid to serum bilirubin <1.0 mg/dL
- Pleural Fluid Fluid to serum ratio >= 0.6 is consistent with exudate

Cholesterol

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Peritoneal Fluid <48 mg/dL
Pleural Fluid >45 mg/dL = exudate

Creatinine

Peritoneal Fluid 0.5-2.0 mg/dL

Glucose

Amniotic Fluid >15mg/dL
CSF 50-80 mg/dL
Peritoneal Fluid approximates that found in serum
Pleural Fluid >60 mg/dL

Lactic Acid

CSF 0.5-2.0 mmol/L

LD

CSF 5- 30 U/L
Peritoneal Fluid <63 U/L
Pleural Fluid >2/3

Protein

CSF 15-45 mg/dL
Peritoneal Fluid Transudate <3.0 g/dL, Exudate ≥3.0 g/dL
Pleural Fluid Transudate <3.0 g/dL, Exudate ≥3.0 g/dL

Triglycerides

Peritoneal <65 mg/dL
Pleural Fluid ≥ 110 mg/dl indicative for chylous effusion, <50 mg/dL indicative of non-chylous effusion, 50-109 mg/dL are equivocal

Fecal Electrolytes

Sodium, Fecal Not Established
Potassium, Fecal Not established
Fecal chloride may be elevated (>35mmol/L) in phenolphthalein (or phenolphthalein plus magnesium hydroxide) induced diarrhea. Fecal chloride may be low(<20 mmol/L) in sodium sulfate induced diarrhea. Fecal chloride concentration is markedly elevated >60 mmol/L in infants and > 100 mmol/L in adults associated with congenital and secondary

Breast Milk

Sodium 4-11 mmol/L
Potassium 8.7-17.5 mmol/L
Chloride 6-16 mmol/L
Calcium 20.8-48.0 mg/dL

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Magnesium 2.2-5.1 mg/dL