

February 1, 2016 Body Fluid order changes

Laboratory will be making the following changes to Body Fluid tests:

1. Changing orders in Power plans (see below list).
2. All folders will be updated accordingly: If the order is inactivated and there is no replacement, then the order will be removed from the folders. If there is a replacement order for the inactivated order then it will replace that order in the folders.
3. Inactivating Panels and Orders (see below list)
4. Creating new orders
 - a. Total Protein Body Fluid
 - b. LD Body Fluid
 - c. Glucose Body Fluid
 - d. Creatinine Body Fluid
 - e. Amylase Body Fluid
 - f. Triglyceride Body Fluid
 - g. Cholesterol Body Fluid
 - h. Albumin Body Fluid
 - i. pH Body Fluid
 - j. Cell Count and Diff Body Fluid
 - k. Crystal Body Fluid
 - l. Unlisted Body Fluid
 - i. Unlisted Body Fluid order will be a new order that will be used when the ordering provider cannot find the correct specimen type in a listed body fluid order or cannot find a body fluid order. In the order details, a specimen type will be required, if a choice is not listed in the drop down box, please choose "Other fluid" and free text the specimen type in the Unlisted Specimen Type Other box. This will then show up as a result on the patient chart. We also require the Test name that is requested on the body fluid. This is a free text box and it will show as a result on the patient's chart.
5. We request but not require a specimen site in the order details. This allows a spot to place the site and laterality so that it will chart on with the lab result. If nothing is added, then this information will be left blank on the result chart. This will not chart in the summary pages due to be a text result.
6. The specimen type for body fluid orders will be more specific than "Body Fluid".
 - a. The new body fluid orders will have a limited amount of specimen types. If the specimen is not found when ordering, use the Unlisted Body Fluid order instead.
 - b. There will be an Other fluid option on Cell Count and Diff Body Fluid, Crystal Body fluid and Unlisted Body Fluid. If this option is chosen, please fill out the space that is allowed for specimen type other. This is a text field. If this is not filled out, lab will need to contact the patient caregiver to retrieve this information. This will not post a result on the summary pages due to being a text field.
7. New orderable tests with their allowable specimen types and reference range. If only one specimen type is allowed, that specimen type will default in.
 - a. The Total Protein Body Fluid order will only be orderable on the following specimen types:
 - i. Pleural Fluid
 1. Total protein pleural fluid to plasma ratio: less than 0.5 is consistent with transudate; greater than 0.5 is consistent with exudate. Normal pleural fluid protein approximates 1.5 g/dL.

- ii. Peritoneal Fluid
 - 1. Total protein measurement in ascitic fluid has largely been replaced by serum ascites albumin gradient for diagnostic characterization of ascitic fluid. Low ascitic fluid protein concentration (less than 1.0 g/dL) predisposes to spontaneous bacterial peritonitis.
- iii. Ascites Fluid
 - 1. Total protein measurement in ascitic fluid has largely been replaced by serum ascites albumin gradient for diagnostic characterization of ascitic fluid. Low ascitic fluid protein concentration (less than 1.0 g/dL) predisposes to spontaneous bacterial peritonitis.
- iv. Pericardial Fluid
 - 1. Total protein pericardial fluid to plasma ratio: less than 0.5 is consistent with transudate; greater than 0.5 is consistent with exudate. Total pericardial fluid protein greater than 3.0 g/dL is consistent with exudate. Total pericardial fluid protein less than 2.5 g/dL is consistent with transudate.
- b. The LD Body Fluid order will only be orderable on the following specimen type:
 - i. Pleural Fluid
 - 1. LD pleural fluid to plasma ratio: less than 0.6 is consistent with transudate; greater than 0.6 is consistent with exudate.
- c. Glucose Body Fluid order will only be orderable on the following specimen type:
 - i. Pleural Fluid
 - 1. Pleural fluid exudates associated with tuberculosis, parapneumonic effusion, malignancy, empyema, and rheumatic disease are associated with glucose less than 60 mg/dL. Rheumatoid effusions may have glucose less than 30 mg/dL. Pleural fluid glucose normally approximates serum glucose.
- d. Creatinine Body Fluid order will only be orderable on the following specimen type:
 - i. Jackson Pratt
 - 1. Pleural fluid – urine creatinine elevated (2 – 10 mg/dL or greater) with a ratio of fluid creatinine to serum greater than 1 is consistent with urineothorax. Peritoneal fluid - creatinine essentially approximates that in serum without urine contamination. Peritoneal fluid creatinine greater than serum creatinine supports urine contamination."
- e. Amylase Body Fluid order will only be orderable on the following specimen types:
 - i. Pleural Fluid
 - 1. Routine measurement of amylase is not usually indicated. Elevated amylase is a level greater than upper reference level for serum and a fluid/serum ratio greater than 1.
 - ii. Ascites Fluid
 - 1. Amylase should approximate serum values in non-pancreatic ascites.
 - iii. Peritoneal Fluid
 - 1. Amylase should approximate serum values in non-pancreatic ascites.
- f. Triglyceride Body Fluid order will only be orderable on the following specimen type:
 - i. Pleural Fluid
 - 1. Triglyceride greater than 110 mg/dL is consistent with chylothorax, usually accompanied by cholesterol less than 200 mg/L and pleural fluid to serum triglyceride ratio greater than 1.
- g. Cholesterol Body Fluid
 - i. Pleural Fluid
 - 1. Cholesterol greater than 200 mg/dL is consistent with pseudochylothorax often with cholesterol crystals and pleural fluid to serum cholesterol ratio greater than 1.
- h. Albumin Body Fluid order will only be orderable on the following specimen types:

- i. Ascites Fluid
 - 1. Serum ascites albumin gradient (serum albumin – ascitic fluid albumin) greater than 1.0 g/dL is portal hypertension related: cirrhosis, portal vein thrombosis, veno-occlusive disease, cardiac disease. Less than 1.1 g/dL is not portal hypertension related: peritoneal carcinomatosis, tuberculosis.
- ii. Peritoneal Fluid
 - 1. Serum ascites albumin gradient (serum albumin – ascitic fluid albumin) greater than 1.0 g/dL is portal hypertension related: cirrhosis, portal vein thrombosis, veno-occlusive disease, cardiac disease. Less than 1.1 g/dL is not portal hypertension related: peritoneal carcinomatosis, tuberculosis.
- i. pH Body Fluid
 - i. Pleural Fluid
 - 1. Pleural fluid pH is typically 7.44 to 7.55. pH less than 7.30 occurs in malignant effusions, complicated pleural infection, connective tissue disease, tuberculous effusions, and esophageal rupture.
- j. Cell Count and Diff Body Fluid
 - i. Pleural Fluid
 - ii. Peritoneal Fluid
 - iii. Ascites Fluid
 - iv. Pericardial Fluid
 - v. BAL
 - vi. Synovial Fluid
 - vii. Bronch Washing
 - viii. Other Fluid: Free text option
- k. Crystal Body Fluid
 - i. Pleural Fluid
 - ii. Peritoneal Fluid
 - iii. Ascites Fluid
 - iv. Pericardial Fluid
 - v. BAL
 - vi. Synovial Fluid
 - vii. Bronch Washing
 - viii. Other Fluid: Free text option
- l. Unlisted Body Fluid
 - i. Abdominal Fluid
 - ii. Ascites fluid
 - iii. BAL
 - iv. CSF
 - v. Cyst Fluid
 - vi. Duodenal Fluid
 - vii. Synovial Fluid
 - viii. Gastric Fluid
 - ix. Jackson Pratt Fluid
 - x. Pericardial Fluid
 - xi. Peritoneal Fluid
 - xii. Pleural fluid
 - xiii. Urine
 - xiv. Other Fluid: Free Text option

Specimen type	Tests
Pleural Fluid	Amylase Body Fluid
	Cell Count and Diff
	Cholesterol Body Fluid
	Crystal Body Fluid
	Glucose Body Fluid
	LD Body Fluid
	pH Body Fluid
	Total Protein Body Fluid
	Triglyceride Body Fluid
Ascites Fluid	Albumin Body Fluid
	Amylase Body Fluid
	Cell Count and Diff
	Crystal Body Fluid
	Total Protein Body Fluid
Peritoneal Fluid	Albumin Body Fluid
	Amylase Body Fluid
	Cell Count and Diff
	Crystal Body Fluid
	Total Protein Body Fluid
Pericardial Fluid	Cell Count and Diff
	Crystal Body Fluid
	Total Protein Body Fluid
BAL	Cell Count and Diff
	Crystal Body Fluid
Synovial Fluid	Cell Count and Diff
	Crystal Body Fluid
Bronch Washing	Cell Count and Diff
	Crystal Body Fluid
Other Fluid option	Cell Count and Diff
	Crystal Body Fluid
Jackson Pratt	Creatinine Body Fluid

Tests/Specimen Type
Total Protein Body Fluid
Pleural fluid
Ascites fluid
Peritoneal Fluid
Pericardial Fluid
LD Body Fluid
Pleural Fluid
Glucose Body Fluid
Pleural Fluid
Creatinine Body Fluid
Jackson Pratt
Amylase Body Fluid
Pleural fluid
Ascites fluid
Peritoneal Fluid
Triglyceride Body Fluid
Pleural fluid
Cholesterol Body Fluid
Pleural fluid
Albumin Body Fluid
Ascites fluid
Peritoneal Fluid
pH Body Fluid
Pleural fluid
Cell Count and Diff Body Fluid
Pleural fluid
Ascites fluid
Peritoneal Fluid
Pericardial Fluid
BAL
Synovial Fluid
Bronch Washing
Other Fluid: Free text option
Crystal Body Fluid
Pleural fluid
Ascites fluid
Peritoneal Fluid
Pericardial Fluid
BAL
Synovial Fluid
Bronch Washing
Other Fluid: Free text option

Unlisted Body Fluid
Abdominal Fluid
Ascites fluid
BAL
CSF
Cyst Fluid
Duodenal Fluid
Synovial Fluid
Gastric Fluid
Jackson Pratt Fluid
Pericardial Fluid
Peritoneal Fluid
Pleural fluid
Urine
Other Fluid: Free Text option

Power plans that will be refreshed with new orders

Current ORDER	Replacing with new ORDER	POWERPLAN
Albumin Body Fluid Set	Albumin Body Fluid	GI Special Procedures
Albumin Body Fluid Set	Albumin Body Fluid	IR Paracentesis
Amylase Body Fluid Set	Amylase Body Fluid	GI Special Procedures
Amylase Body Fluid Set	Amylase Body Fluid	IR Paracentesis
Amylase Body Fluid Set	Amylase Body Fluid	Pulm Pleural Fluid
Amylase Body Fluid Set	Amylase Body Fluid	Pulm Thoracentesis
Cell Count and Diff Body Fluid Set	Cell Count and Diff Body Fluid	GI Special Procedures
Cell Count and Diff Body Fluid Set	Cell Count and Diff Body Fluid	IR Paracentesis
Cell Count and Diff Body Fluid Set	Cell Count and Diff Body Fluid	Nephro Peritoneal Dialysis
Cell Count and Diff Body Fluid Set	Cell Count and Diff Body Fluid	Pulm Pleural Fluid
Cell Count and Diff Body Fluid Set	Cell Count and Diff Body Fluid	Pulm Thoracentesis
Cholesterol Body Fluid Set	Cholesterol Body Fluid	Pulm Pleural Fluid
Creatinine Body Fluid Set	Creatinine Body Fluid	Urology Rounds
Glucose Body Fluid Set	Glucose Body Fluid	Pulm Pleural Fluid
Glucose Body Fluid Set	Glucose Body Fluid	Pulm Thoracentesis
LD Body Fluid Set	LD Body Fluid	GI Special Procedures
LD Body Fluid Set	LD Body Fluid	IR Paracentesis
LD Body Fluid Set	LD Body Fluid	Pulm Pleural Fluid
LD Body Fluid Set	LD Body Fluid	Pulm Thoracentesis
pH Body Fluid Set	pH Body Fluid	Pulm Pleural Fluid
pH Body Fluid Set	pH Body Fluid	Pulm Thoracentesis
Protein Body Fluid Set	Protein Body Fluid	GI Special Procedures
Protein Body Fluid Set	Protein Body Fluid	IR Paracentesis
Protein Body Fluid Set	Protein Body Fluid	Pulm Pleural Fluid
Protein Body Fluid Set	Protein Body Fluid	Pulm Thoracentesis
Triglycerides Body Fluid Set	Triglycerides Body Fluid	Pulm Pleural Fluid

Inactivating Panels and Orders

Potassium Body Fluid Set

Albumin Body Fluid Set

Amylase Body Fluid Set

Bilirubin Body Fluid Set

Chloride Body Fluid Set

Cholesterol Body Fluid Set

Creatinine Body Fluid Set

Electrolyte Body Fluid Set

Glucose Body Fluid Set

Lipase Body Fluid Set

pH Body Fluid Set

LD Body Fluid Set

Protein Body Fluid Set

Sodium Body Fluid Set

Triglyceride Body Fluid Set

Urea Nitrogen Body Fluid Set

Uric Acid Body Fluid Set

Cell Count and Diff Body Fluid Set

Synovial Fluid Set-JE

Synovial Fluid Panel-MH/WH

Crystal Body Fluid Set

bilirubin Body Fluid

chloride Body Fluid

Lipase Body Fluid

Potassium Body Fluid

Sodium Body Fluid

Urea Nitrogen Body Fluid

Uric Acid Body Fluid

Rheumatoid Factor Body Fluid

Cell Count and Diff Body Fluid

Crystals Body Fluid

Protein Body Fluid

LD Body Fluid

Glucose Body Fluid

Creatinine Body Fluid

Amylase Body Fluid

Albumin Body Fluid

Cholesterol Body Fluid

Triglycerides Body Fluid

pH Body Fluid

Hematocrit Body Fluid

Hematocrit Body Fluid Set

Cell Count and Diff BAL-JE

New orders

Total Protein Body Fluid

LD Body Fluid

Glucose Body Fluid

Creatinine Body Fluid

Amylase Body Fluid

Triglyceride Body Fluid

Cholesterol Body Fluid

Albumin Body Fluid

pH Body Fluid

Cell Count and Diff Body Fluid

Crystal Body Fluid

Unlisted Body Fluid
