**New Test Highlights**

**Brucella Antibodies (IgG, IgM), EIA with Reflex to Agglutination**
Test Code: 91068
Clinical Use
- Diagnose *Brucella* infection

Additional Information
- Brucella antibody presence indicates past or current exposure.

**Chlordiazepoxide and Metabolites**
Test Code: 91123
Clinical Use
- Monitor chlordiazepoxide therapy

Additional Information
- Chlordiazepoxide is used to treat anxiety. Peak concentrations are reached several hours after oral administration. The elimination half-life is 24-48 hours. Results reported include chlordiazepoxide and the metabolites norchlordiazepoxide and nordiazepam.

**Febrile Antibodies and Francisella Panel**
Test Code: 91122
Clinical Use
- Diagnose *Salmonella* infection
- Diagnose *Rickettsia rickettsii* infection (Rocky Mountain spotted fever)
- Diagnose *Rickettsia typhi* infection (typhus)
- Diagnose *Brucella* infection
- Diagnose *Francisella tularensis* infection (tularemia)

Additional Information
- This test includes antibodies to *Salmonella* (H, type a, b, and d; and O, type Vi and D), *R. rickettsii* (IgG, IgM), *R. typhi* (IgG, IgM), *Brucella* (IgG, IgM), and *F. tularensis*. If Rickettsia antibodies are detected, a titer will be performed at an additional charge and CPT code. If Brucella IgM antibody result is $\geq 1:10$, an agglutination test will be performed at an additional charge and CPT code.

**Febrile Antibodies Panel**
Test Code: 91121
Clinical Use
- Diagnose *Salmonella* infection
- Diagnose *Rickettsia rickettsii* infection (Rocky Mountain spotted fever)
- Diagnose *Rickettsia typhi* infection (typhus)
- Diagnose *Brucella* infection

Additional Information
- This test includes antibodies to *Salmonella* (H, type a, b, and d; and O, type Vi and D), *R. rickettsii* (IgG, IgM), *R. typhi* (IgG, IgM), and *Brucella* (IgG, IgM). If Rickettsia antibodies are detected, a titer will be performed at an additional charge and CPT code. If *Brucella* IgM antibody result is $\geq 1:10$, an agglutination test will be performed at an additional charge and CPT code.
**Insulin, LC/MS/MS**  
Test Code: 91083  
Clinical Use  
- Differential diagnosis of hypoglycemic disorders  
- Differential diagnosis of diabetes mellitus  

Additional Information  
- In combination with blood glucose measurement, quantitation of insulin levels is useful for identifying insulin-resistant states (diabetes and prediabetes).

**Ketoconazole, HPLC**  
Test Code: 90946  
Clinical Use  
- Optimize ketoconazole dose  

Additional Information  
- Ketoconazole, an antifungal agent, can be administered orally or topically. Oral administration can be monitored by testing levels in serum; however, levels do not rise adequately for serum monitoring following topical administration. Serum testing may be useful when there are concerns about patient non-compliance, drug interactions, pharmacokinetic variability, and toxicity.

**Tramadol Screen with Reflex to Confirmation, Urine**  
Test Code: 19642  
Clinical Use  
- Monitor tramadol therapy  

Additional Information  
- Tramadol (Rybix®, Ryzolt®, Ultram®) is an analgesic used to treat moderate to moderately severe pain. If the screen is positive, tramadol and its metabolite will be quantified at an additional charge and CPT code.