COSYNTROPIN STIMULATION TEST
A COSYNTROPIN STIMULATION TEST panel is now available as an orderable panel in the EMR. Under Order Entry, search for Cosyntropin. (You may have to click the Facility List or the Database tab in order to see the test.) The order creates a panel with 3 cortisol tests: Cortisol, 0 min; Cortisol, 30 min; and Cortisol, 60 min. Follow usual ordering protocol. Then, as each timed sample is collected, the proper test order can be released and the appropriate time label printed and affixed to tube.

PATIENT PREPARATION
WARNING: Patients receiving fludrocortisones, prednisolone, or prednisone (which is converted to prednisolone in vivo) may show artificially elevated cortisol values due to cross-reactivity.

SAMPLE REQUIREMENTS
Collect: SST (gold top) or plain red top serum, 4 mL
Specimen Preparation: Collect at the appropriate timed interval.
Storage/Transport: Deliver at room temperature to the laboratory for processing. If sample cannot be delivered to the laboratory within 8 hours of collection, centrifuge sample and transport separated serum refrigerated at 2-8°C.
Stability: Separated serum - 8 hrs room temp, refrigerated 2-8°C for up to 14 days, or frozen at -10°C for longer storage.
Unacceptable Conditions: Gross Hemolysis; Heat inactivated samples; Cadaver samples; other body fluids

REFERENCE INTERVAL
| For Cortisol, 0 min | Sample collected before 10 am: 3.7 – 19.4 ug/dL |
| For Cortisol, 30 min | ≥ 18 ug/dL |
| For Cortisol, 60 min | ≥ 18 ug/dL |
| Sample collected after 5 pm: 2.9 – 14.9 ug/dL |

ROUTINE TESTING
Monday through Friday, dayshift
STATs with Pathology Resident approval on weekend

CLINICAL USE
Used for screening, diagnosis, and monitoring diseases associated with excess or deficient cortisol production.

If you have questions or need additional information please contact Laboratory Client Services at 734-7373 or email pathologyclientservices@ucdmc.ucdavis.edu.