

OSF System Lab Swab Chart has been updated

An update has been made to the Swab Chart. The new chart is available for download on the System Lab website. [Click here](#) to go to the collection instructions page to access the new swab chart.

Zika virus testing

With mosquito season in full swing and people engaging in summer travel/vacations, there is anticipation of an increase in requests for Zika virus testing. The OSF System Laboratory offers Zika testing by utilizing the capabilities of Mayo Medical Laboratories. Mayo offers a Zika and Dengue Virus Panel, IgM that is performed 3 days a week at their Rochester, MN facility. Mayo requires answers to 3 Ask-at Order Entry questions that are the same questions the IDPH asks when determining test feasibility:

- 1) Is the patient pregnant?
- 2) Has the patient traveled to or resided in a Zika region?
- 3) Is the patient symptomatic?

Mayo will not perform testing on patients that are asymptomatic and have not traveled to or resided in a Zika region, nor ones that have traveled but are asymptomatic. Order utilizing the GENOR lab code (LAB2333) and include the Mayo code MZIKV. Refer to the [Mayo test catalog](#) for additional information and algorithms regarding Zika virus testing and specimen requirements (2.5ml gold-top tube).

Gold top for Vitamin D

Effective June 1st, the OSF System Lab no longer accepts mint top tubes for Vitamin D testing. We cannot add on a Vitamin D test to a mint top either. In order to prevent specimen rejections, please send a gold top for Vitamin D testing. Also, remember the on-line Directory of Services contains up-to-date test requirements and is available on the System Lab website at www.osfhealthcare.org/lab

Prothrombin time requirements

Prothrombin time (PT) requires a full light-blue top tube and must be shipped at room temperature. The tube must be filled completely in order to have the proper sodium citrate to blood ratio. Specimen is stable at room temp for 24 hrs. Storage at refrigerated temps (2-8 degrees) is not recommended as it may result in cold activation of Factor VII (7) and therefore alter PT results (i.e. false low results).

Test Changes and New Tests

On May 23rd, mandatory AOE questions were added to 2 Mayo tests:
MHRP, Mycoplasma hominis, Molecular Detection, PCR (LAB2288)
URRP, Ureaplasma species, Molecular Detection, PCR (LAB2289)
Effective June 1st, Mayo order code SPB, Pigeon Breeders Disease, (LAB3213) will be turned off as Mayo is discontinuing the test due to reagent being discontinued from the manufacturer. There is no recommended alternative test.

Questions about your bill?

If you are an Outreach lab client and have a billing-related question, please follow the first step, which is to contact our Patient Accounts and Access Center billing department at **(309) 683-6750**. The PAAC billing agents will be happy to assist you with your inquiry.

Client Reps:

Raechel Pfahl (309) 624-9100
Deanna Hibbert (309) 624-9138
Sabrina Mullins (309) 624-9144

Marketing Support:

Gregg Simpson (309) 624-3927

Sales and Marketing Supervisor:

Gordon Koerner (309) 624-9287

Outreach Manager:

Michael Cohlman (309) 624-9042

Pharmaceutical Facts

- Lipitor is the best-selling drug of all time. It was introduced in 1997 and its patent expired in 2011, making about \$125 billion.
- Hydrocodone/Acetaminophen is the most commonly prescribed medication in the United States. Lisinopril is No. 2, as of 2014.
- The most expensive drug is Glybera at a wholesale cost of \$1.21 million per year. It is a gene therapy drug that helps restore lipoprotein lipase enzyme activity in those with familial lipoprotein lipase deficiency.

Tips to help minimize “Unsatisfactory” Pap results

Unsatisfactory rates for Pap smears remain relatively low at OSF, but occasionally there are samples submitted that are unsatisfactory. Here are some tips for proper sample collection to help eliminate unsatisfactory results:

- 1) **Do not** use lubricant gels that contain carbomer or carbopol polymers (K-Y is **not** acceptable) as these agents interfere with the ThinPrep test when present in the patient’s sample vial. Acceptable: Surgilube, Astroglide and Crystelle
- 2) If using a broom for sample collection, push the broom into the bottom of the vial **10 times**, followed by a final vigorous swirl.
- 3) If using a brush for sample collection, rotate the device in the solution **10 times** while pushing against the vial wall, followed by a final vigorous swirl.
- 4) Always discard the broom or brush. **Do not** leave any part of the collection device in the vial.

The entire Pap Collection Tips memo can be read [here](#).

Methotrexate Testing

Effective June 21, 2017 Methotrexate testing will be performed using a new manufacturer’s assay due to the discontinuation of our current vendor’s assay.

The new method compares well with our current method when serum Methotrexate values are greater than or equal to 0.1 umol/L. At low levels of Methotrexate (less than 0.1 umol/L), the new method yields about a 35% positive bias. (e.g. 0.06umol/L vs 0.08 umol/L). The therapeutic (expected) ranges will remain the same.

Methotrexate testing is available Sunday through Saturday, 24 hours a day. Please note however that this test has limited availability on Saturdays between the hours of 07:00-11:00. Please call the Chemistry Department at (309) 624-9033 one hour prior to specimen collection to reduce delays in testing and results.

If you have any questions, please contact Dr. Jiayan Sun at (309) 624-9024.

Mayo Clinic owns and operates a 56 bell—bell tower

There are roughly 180 carillons — musical instruments made up of at least 23 bells that do not swing, but rather are struck by clappers to create music — in the United States and Canada, but only one is owned by a medical center.

Mayo Clinic in Rochester, Minn., holds that distinction. Its Plummer Building houses the 56-bell carillon that can be heard throughout campus on weekdays, tolling the time as well as songs. Mayo Clinic is so devoted to its carillon that it employs its own carillonneurs, or carillon player, to play live music in addition to the carillon’s automated tunes. The medical center has had four such employees since 1928.

History of the carillon

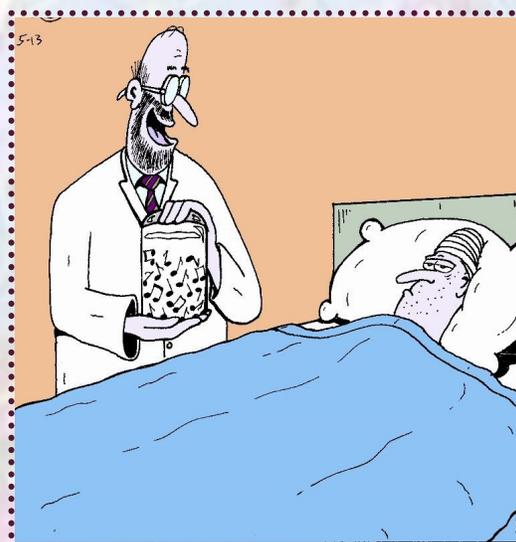
The 56-bell carillon is a "direct legacy from the Mayo brothers," says Johanna Rian, PhD, program director of the Mayo Clinic Dolores Jean Lavins Center for Humanities in Medicine. William James Mayo, one of the co-founders of the Mayo Clinic, traveled through Belgium and England and “fell in love” with the carillons he heard there, Dr. Rian says. From there, Dr. Mayo bought a carillon that included 23 bells — the heaviest of which weighed in at 7,000 lbs.

Once the carillon made it to America, engineers managed to hang the heavy instrument in the tower of the Plummer Building, which had just completed construction. More bells were added to the original 23 bells in the 1970s and it is now "one of the most complete carillons in North America," according to Paul Scanlon, MD, the medical director of the Mayo Clinic Center for Humanities in Medicine.

The soothing music of the carillon plays into Mayo Clinic’s overall mission for patient healing, according to Dr. Rian. "Mayo’s mission is the needs of patients come first, [along with the] awareness that beautiful environment and arts can be part of the healing process for patients," she says. "The Mayo brothers and their peers felt very strongly that the environment of Mayo should instill confidence in the patients. They invested a fair amount in architectural design that is beautiful and soothing and calming," Dr. Rian says. The carillon plays into that aesthetic.

The Rochester carillon is under the direction of Mayo Clinic’s Center for Humanities in Medicine. The center "serves the needs of the patient by integrating arts and culture into the healthcare environment of Mayo," says Dr. Scanlon. Dr. Scanlon adds that having a carillon "in the quiver of arts media is pretty cool."

- Excerpt from *Becker’s Hospital Review*, June 13, 2017



"Good news, Mr. Burgess. We've successfully removed the tune that was stuck in your head."

Keep in mind...

“The difference between winning and losing is most often not quitting.” - *Walt Disney*