Welcome





From a single project to integrated branding campaigns,
The Medical Package delivers better marketing results.

The Medical Package® LLC is a full-service marketing and advertising agency dedicated to the medical space. Unlike any company currently in existence, we combine decades of healthcare expertise with senior, award-winning agency talent. Our business model allows for the highest level of accountability, service, and value for our clients.

The Medical Package is comprised of a diverse collection of experienced business and creative people. The company combines in-house and freelance talent so that every project has the best and most efficient outcome.

417.890.9728 • TheMedicalPackage.com



Laura McCaski



Lean McKay



Rachael Johnson



Nathan Bruner



/lichelle West



Carrie









Early, Easy, Accurate. Check.





A CLIA-WAIVED CBC IS NOW POSSIBLE

The Sysmex XW-100 is the first FDA-cleared, CLIA-waived CBC analyzer to provide reliable, convenient, and often, same-visit CBC results. A 15 µL venous blood sample is required. The sample-to-result time is just 3 minutes.

The Sysmex XW-100 can help:

- Expedite diagnosis and treatment
- Improve patient satisfaction
- · Streamline workflow





Clinical & Operational Benefits



Comparison & Results Including Suppression

SYSMEX | Lighting the way with disposition

Ouick Guides & Instructions for Use Manual









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HIV TESTING CAN CHANGE EVERYTHING

Determine⁻ HIV-1/2 Ag/Ab Combo

"Every time someone gets tested for HIV, we are one step closer to ending the AIDS epidemic. Learning your HIV status opens the door to powerful HIV prevention and treatment options that could save your life or the life of someone you love." —Jonathan Mermin, MD, MPH —ABS. Vol Happing, SID, and IP Provided Clark PD, and St. Voll Happing, SID, and IP Provided Clark PD, and St. Voll Happing, SID, and SID Provided Clark PD, and St. Voll Happing, SID, and SID Provided Clark PD, and St. Voll Happing, SID, and SID Provided Clark PD, and SID Provided Clark PD,

HIV INCIDENCE AND DISTRIBUTION

According to HIV,gov, there are approximately 1.1 million people living with HIV in the U.S. and 1 in 7 are unaware they are infected with it.¹

In 2018 there were 37,832 new HIV diagnoses.²
Approximately 80% of new HIV transmissions are from individuals who do not know they have HIV infection or are not receiving regular care.²

The prevention and treatment of people with HIV should be of utmost concern as this will decrease the number contracting the virus and proceeding to AIDS.

GLOBAL NUMBER OF AIDS-RELATED DEATHS, NEW HIV INFECTIONS, AND PEOPLE LIVING WITH HIV, 1990–2015⁴ (IN MILLIONS)

PREVALENCE, NEW CASES AND DEATHS FROM HIV IN THE UNITED STATES⁴



A NEW CHALLENGE — OPIOID USE AND HIV INCIDENCE

People who inject drugs accounted for 9% (3,405) of the 37,832 diagnoses of HIV in the United States in 2018. Up to 40% of new users share needles. The prescription opioid and heroin epidemic has led to increased numbers of of HIV due to injection drug use, however the opioid epidemic has disproportionately affected nonurban areas, where HIV prevalence rates are normally low. These communities have limited services for HIV detection,

TYPES OF HIV TESTING AND TIME TO RESULTS

HIV tests on be conventional or rapid 4"

CONVENTIONAL

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Picture from 1985 of Abbott scientists with first HIV test kit, the Abbott HTLV-III.

HIV ANTIGEN AND ANTIBODY TESTING

Annoony-ony tests were developed in the iswos and improved the specificity and positive predictive value of the screening procedures by adding text and the streening procedures by adding text and they are provided the antibody-negative window to 4-only assays reduced the antibody-negative window to 4-one weeks there exposure. With the addition of HIV-2, confirmatory testing of that protein was added to the evel-point got CDs algorithm for HIV testing.*

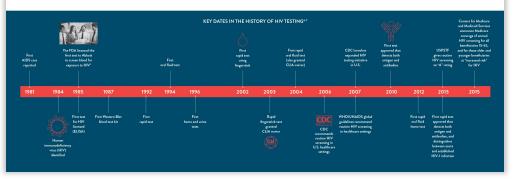
IgM detection was added to assays to produce a new type of HIV test. The IgM/IgG combination reduced the antibody-negative window to approximately 3 weeks. The development of a p24 antigen detection ELISA could detect the virus as early as two weeks.⁸

Detection of HIV after becoming infected has been difficult to ascertain, especially if tests are performed during the window period the period of time between becoming infected with HIV and the ability of a test to detect HIV) which increases the likelihood of a false negative.

The probability of a false negative decreases with the use of an antibody-antigen test.

FALSE NEGATIVES IN ANTIBODY-ONLY AND ANTIBODY/ANTIGEN HIV TESTS?

TIME SINCE EXPOSURE	ANTIBODY TEST (CHANCE OF A FALSE REGATIVE TEST RESULT)	ANTIGEN TEST
0-9 DAYS	100% CHANCE	100% CHANCE
10-15 DAYS	95-99%	79-99%
16-20 DAYS	56-80%	35-51%
21-28 DAYS	13-46%	8-31%
29-50 DAYS	5-9%	0-8%
51-80 DAYS	3-4%	o%
MORE THAN 80 DAYS	0-1%	0%











They're counting on you.





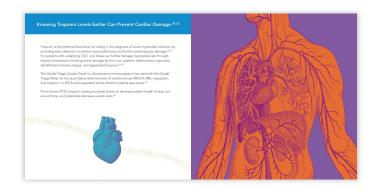


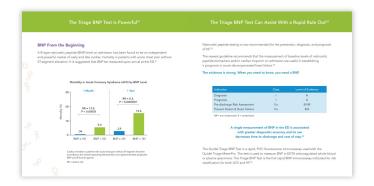




Make sure you have the biomarkers you need.

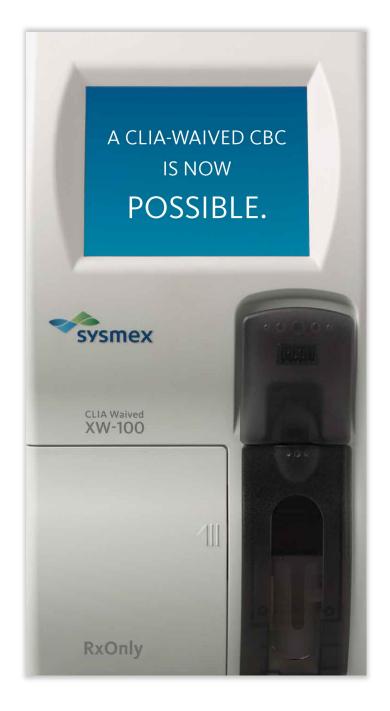












IT MAY FIT WELL IN YOUR PRACTICE

Previously, CRC testing required sending samples to a lab for results. The Sysmex XW-100 has changed that. The CLIA-walved designation ensures that it's simple to use, has a low risk of providing erroneous results, and can be operated without additional training beyond simply reading the manufacturers' instructions and following the on-screen prompts.

The Sysmex XW-100 can be an especially good fit for your well patient visits. It is very compact with a height of 13.8 Inches and a width of 7.3 Inches. The Sysmex XW-100 and its reagents can fit on a countertop. Daily QC takes less than 30 minutes.



VALUABLE INFORMATION

The Sysmex XW-100 offers a 3-part differential with 12 different parameters:

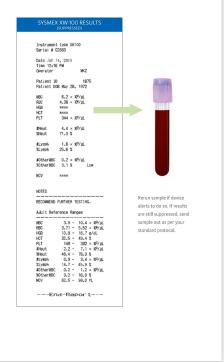
- Total #WBCs
- % of neutrophils
- Total #RBCs
 Hemoglobin
- Total #lymphocytes
 % of lymphocytes
- Hematocrit
- Total #other WBCs
- Total #platelets
- % of other WBCs

The Sysmex XW-100 is not for use in diagnosing or monitoring patients with primary or secondary chronic hematologic diseases/disorders, oncology patients, critically ill patients, or children under the age of two.

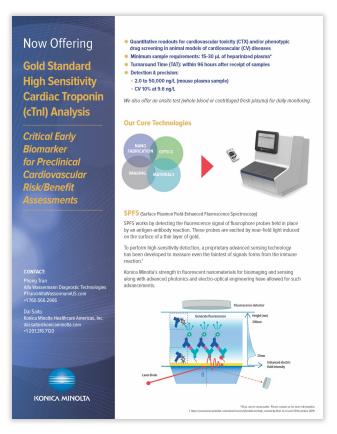
PROTECTING YOU AND YOUR PATIENTS

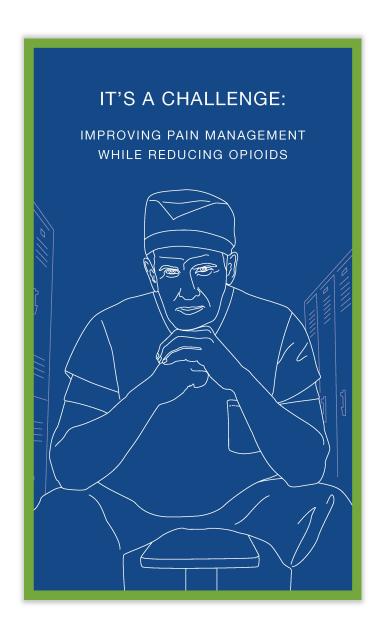
Blood parameters can be complicated to measure. The complexity of the sample and underlying patient conditions may result in suppression of results. This will appear as 4 asterisks (****) where in most cases a result would be generated. The Sysmex XW-100 is designed to protect your patients and your practice from inaccurate results.

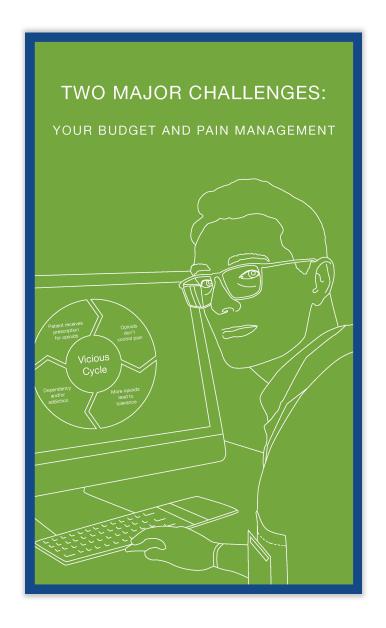
For more information, review the Sysmex XW-100 Quick Guide or visit CBCin3.com.

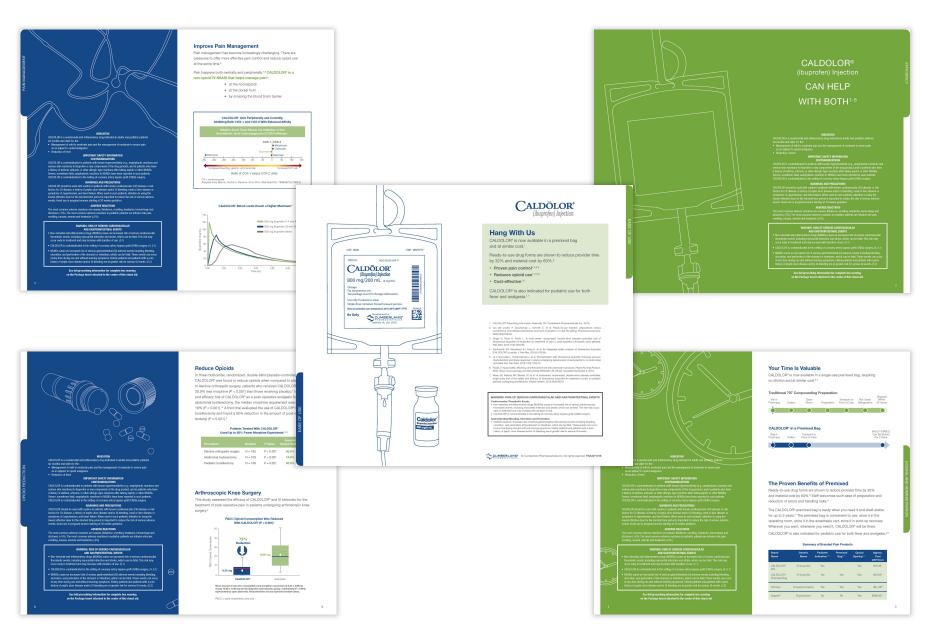


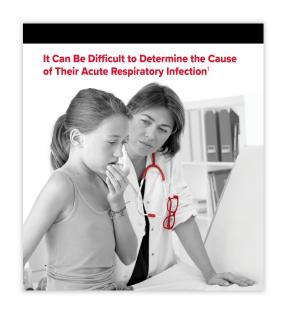


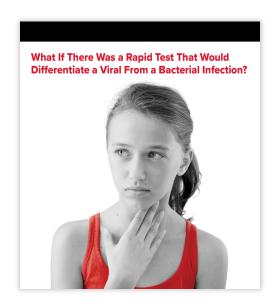


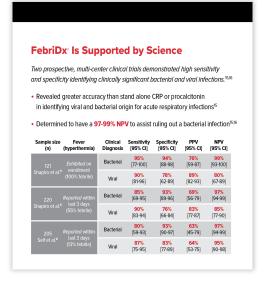


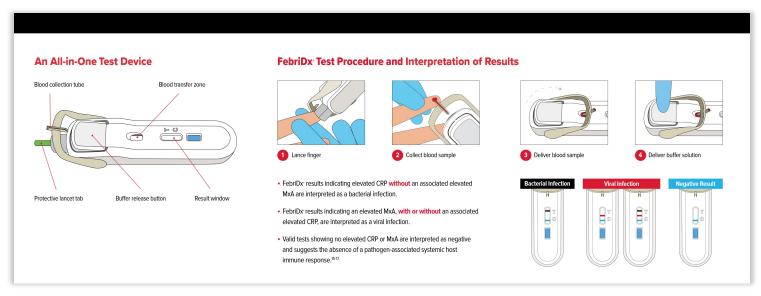




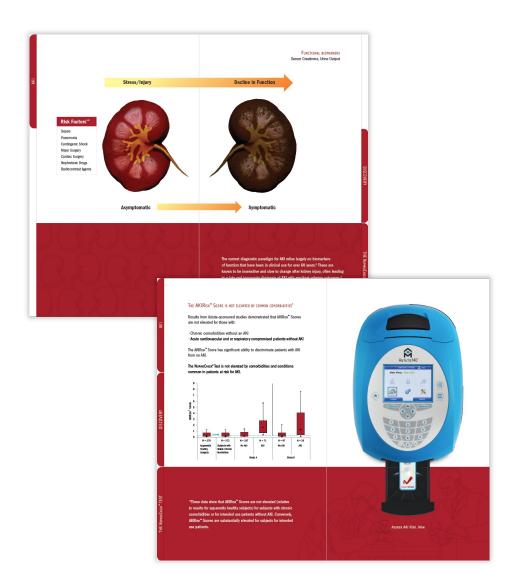


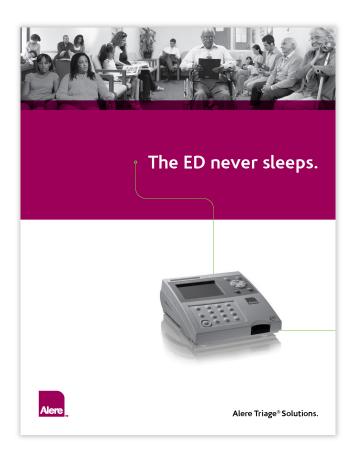


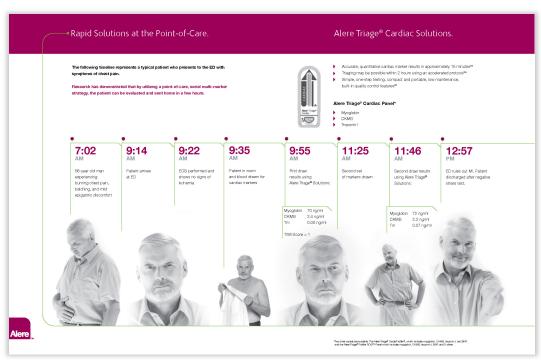


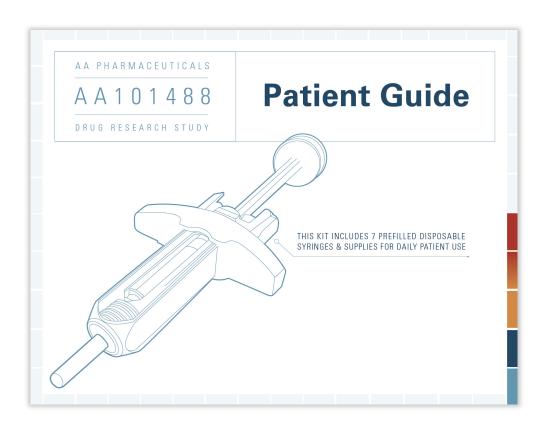


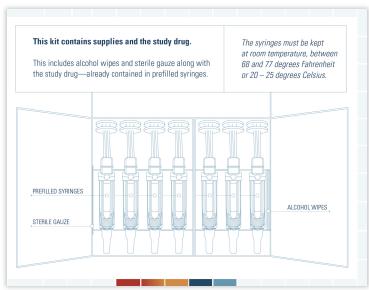


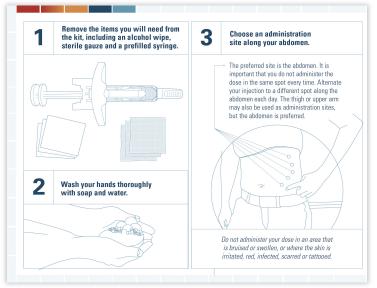


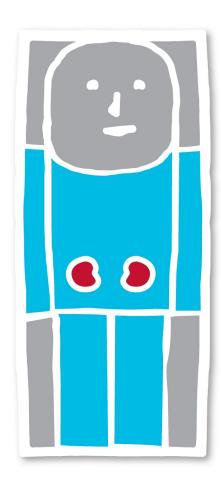






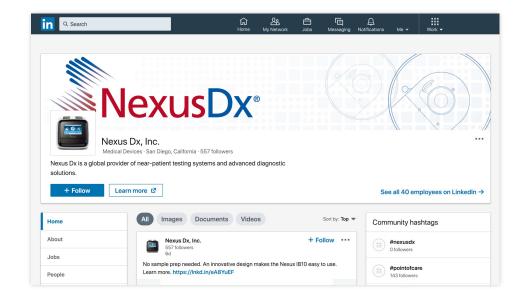


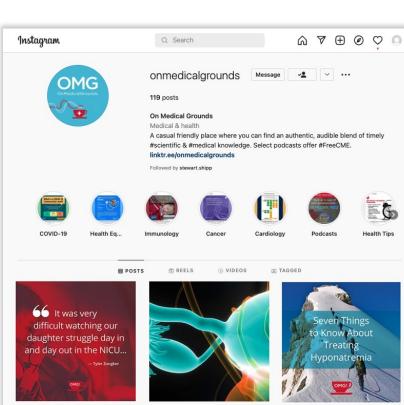






































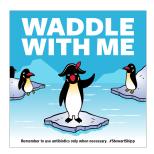










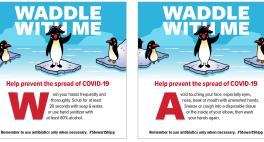








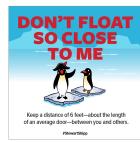










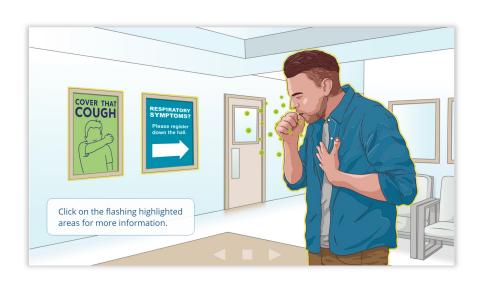




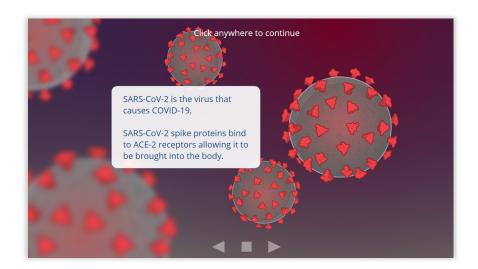
Remember to use antibiotics only when necessary. #StewartShipp



















In The Time Masselens, Altho, Portios, and Arams are lined of the novely prologan; d'Ariagnan However, prior to be initiation of their Heindrigh, private to dail. Als it hars out, in one day, d'Ariagnan manages to have three masselens, and scheduls Time separate duels with each of them, all at the same time—centry another young manife Ambour and Artagnan prepare to duel, the solders of Cardinal public with the solders of Cardinal and Ariagnan three times of the Cardinal d'Ariagnan troves in with the muskelens, and so begins the famous Herndrigh, and so begins the famous Herndrigh,

Global Trial Update

North America: It's official, ATHOS' has gone global with the first SIV (Site Initiation Valid) outside of the LLC conducted in early considerable. The conducted in early at the Company of the Company of the 'No Objection Letter' from Health Canada, allowing us to proceed with opening the trial. New sites are being initiated each week with a target of 15 sites across Canada. These are in addition to the 45 sites opening in the U.S. Learn more here.



Frequently Asked Questions (& Answers!)

Q1: Is it acceptable to use 6 hourly MAPs that were obtained as SOC prior to consent and enrollment, and, is it necessary to obtain 6 additional MAPs once consent is obtained? A1: It is acceptable to use the MAPs collected as SOC procedures for the 6 hourly MAPs required as screening procedures in the study. Read more here.



Study Site Spotlight

Laurence W. Busse, MD — Dr. Laurence Busses is an intensivel with Medical Critical Care Services at Inova Faritat Medical Carey. He received his medical degree in 2008 from George Washington University where he graduated with distinction (Alpha Omega Aghta). Pitor to that, he received a Backelor of Arts from Tulane Investigal and a Master of Business Administration from Emproy University. Learn more here.



Company Spotlight

Meet and Greet — Rena Harrigan, MPH, serves as Seniror Clinical Freject Manager at La Jolas. Bec completed her undergraduate education in biology in her native country, the U.S. Wirgh Islands. Rena them moved to San Diego to attend San Diego State University where she obtained her Master's degree in Public Health. She has 17 years of clinical research experience. Read more.



Calendar & Upcoming Events

North American Study Coordinator Meeting January 14-15, 2016

Canadian Critical Care Trials Group (CCCT-Winter 2016 Scientific Meeting

Upcoming Medical Meetings: View more.



Vasopressor Calculator

Thank you to Rodrigo Iglesias MD, and Huseyin Oguz Yilmaz MD, Research Fellows, Outcome Research, Anesthesiology Institute, Cleveland Clinic Foundation for a very useful screening tool developed for smart phones. The tool was developed by Dr. Iglesias from the equation in the study protocol and he has given his approval to share it with study sites.

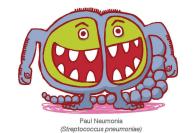
Simply bookmark http://anes.mobi/norepi web address on your phone's browser and open the

Tip: If you cannot access the calculator, your wi-fi service may be blocking it. You may need to connect to the address via your mobile service or talk to your IT Department.









We know your patients. Now get to know us.

It's that time of year when we appear—Influenza and *Streptococcus pneumoniae*. When we cause symptoms, we can be difficult to tell apart. We can visit alone, or sometimes we enjoy each other's company.

It is important to know us so you can determine the proper course of treatment for your patient. If you use Alere™ i and BinaxNow®, you can find us in minutes, treat your patient—and soon we will be on our way.

To learn more about infectious disease testing, contact your local Alere Account Executive by calling 1.877.441.7440, or visit alere.com.

Alere™i Molecular Platform Influenza A & B



Alere BinaxNOW Influenza A & B Test



Alere BinaxNOW® Streptococcus pneumoniae





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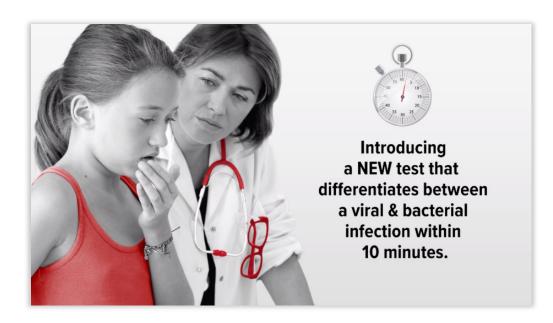










































Thank you for your time.

