

## [Clinical pathology selected abstracts](#)

written by CAP TODAY

July 17, 2022

July 2022—A complete blood count with a white blood cell differential (CBCD) is often ordered when a CBC alone would suffice. Even though a CBCD can be performed with automated technology, it requires more reagents than a CBC. Furthermore, if an automated CBCD is flagged, a laboratory will perform a manual WBC differential, adding to labor and material costs.



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## [Anatomic pathology selected abstracts](#)

written by CAP TODAY

July 17, 2022

July 2022—*Helicobacter pylori*-associated gastritis and autoimmune gastritis may coexist in a subset of patients, necessitating treatment for both disorders. The authors conducted a study to identify autoimmune gastritis in the background of *H. pylori* infection.



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## [Pathology informatics selected abstracts](#)

written by CAP TODAY

July 17, 2022

July 2022—Numerous factors affect blood product inventory in hospitals. Among them are component-processing methods, geographic population characteristics, available medical procedures, diagnostic categories, and global epidemics.



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## [Molecular pathology selected abstracts](#)

written by CAP TODAY  
July 17, 2022

July 2022—Although offspring share similar DNA, their physical and behavioral differences are multifactorial. One of those factors is epigenetics, the chemical and structural modifications of DNA by proteins and enzymes. Whereas the DNA sequence is relatively stable, epigenetic modifications are dynamic, as they are critical to controlling gene expression in response to cellular development and environment. Reproductive cells, or gametes, carry half the normal set of chromosomal DNA. Advances in molecular technologies demonstrate that this DNA is epigenetically modified to influence traits of future offspring, referred to as transgenerational epigenetic inheritance.



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## [Q&A column](#)

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**July 2022**

**Q.** When a patient has a hematocrit level of  $\geq 55$  percent and a normal PT and APTT, do you still correct

sodium citrate and ask for a redraw? Is it crucial to ask for a redraw when the emergency department orders a stat PT and APTT? [Read answer.](#)

**Q.** Obtaining an accurate blood glucose level is hindered by continued glycolysis in the evacuated tube post collection, even if a gray top tube is used. This leads to falsely low blood glucose levels. What can laboratories do to limit ex vivo glycolysis? [Read answer.](#)



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## [Newsbytes](#)

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July 2022—If a machine-learning algorithm is trained to help detect cancer in whole slide images at one health care location, shouldn't the same algorithm work on digital slides from a similar patient population at another site?



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## [Put It on the Board](#)

written by CAP TODAY  
July 17, 2022

July 2022—Paige has received CE-IVD and UKCA (UK Conformity Assessed) marks for its HER2Complete artificial intelligence software. In a recent study, HER2Complete was able to detect levels of HER2 expression in HER2-negative (IHC 0) and HER2-low (IHC 1+/2+) H&E-stained tissue samples, Paige said in announcing the news.

## [Bio-Rad launches two negative run controls](#)

written by CAP TODAY  
July 17, 2022

July 14, 2022—Bio-Rad Laboratories launched two new Exact Diagnostics negative run controls.

## [Thermo Scientific, Inpeco to develop LC-MS, TLA connectivity](#)

written by CAP TODAY  
July 17, 2022

July 13, 2022—Thermo Fisher Scientific announced an agreement with Inpeco S.A. to develop connectivity between the Thermo Scientific Cascadion SM automated liquid chromatography mass spectrometer and the Inpeco FlexLab total laboratory automation system.

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# Paige HER2Complete gets CE-IVD, UKCA marks

written by CAP TODAY  
July 17, 2022

June 30, 2022—Paige has received CE-IVD and UKCA (UK Conformity Assessed) marks for its HER2Complete artificial intelligence software.



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