PerkinElmer is collaborating with Sebia to change your newborn hemoglobin screening for the better.

PerkinElmer is an authorized Distributor of Sebia. Products in this brochure may not be available in all countries. Confirm availability with your local PerkinElmer representative.

Sebia and PerkinElmer recommend that you carefully read the instructions in the leaflet of their instruments and reagents.

Sebia and PerkinElmer vous recommandent de lire attentivement les instructions indiquées dans les notices de leurs instruments et réactifs.

For a complete listing of our global offices, visit www.perkinelmer.com/ContactUs

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HIGHER THROUGHPUT

From sample to result, Sebia combined with PerkinElmer's next-generation Panthera-Puncher 9 and Specimen Gate informatics platform outperforms alternative methods in process throughput, robustness, traceability and automation. With Sebia CAPILLARYS 2 Neonat Fast™, you can screen up to 48 samples per hour – a new benchmark for neonatal hemoglobin screening.

INCREASED EFFICIENCY

Thanks to PerkinElmer’s Panthera-Puncher 9, next generation dried sample puncher supporting the simultaneous use of two different punch sizes, you can punch the Sebia hemoglobin assay together with your other newborn screening assays. Segment and sample barcodes are automatically read and imported to CAPILLARYS 2 Neonat Fast™ to ensure full traceability.

EASIER TO INTERPRET

Sebia CAPILLARYS 2 Neonat Fast™ features presumptive identification based on detected fractions and internal rules for discriminate possible patterns in hemoglobin profiles. Color-coded profiles also allow for faster results validation, while auto-centering of hemoglobin profiles and specific migrations zones for hemoglobin variants ensure clearcut and precise profiles with no other interfering substances.

SMARTER INTEGRATION

Sebia CAPILLARYS 2 Neonat Fast™ is now interfaced with the Specimen Gate informatics platform. It is possible to import final results directly to Specimen Gate. Together Panthera 9 and Specimen Gate support Smart Positive ID throughout the screening process.

Sebia CAPILLARYS 2 Neonat Fast™ offers:
- High-resolution Hb separation
  - Clear separation between Hb A2, Hb S and Hb C
  - Full separation of Hb D from Hb S
  - Clear visibility for Hb H and Hb Bart’s
  - No interference of glycated Hb and other Hb adducts
  - Detection of rare variants
- PHORESIS software, fast validation via Mosaic Screen with color-coded results
- SPECIMEN GATE, interfacing instrument
- High throughput: 1hr/48 samples

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HUMAN HEALTH

THE BEST CHOICE IN NEWBORN HEMOGLOBIN SCREENING

THE NEW OPTION IN NEONATAL HEMOGLOBIN SCREENING
Why screen for hemoglobin disorders in newborns?

Hemoglobinopathies are inherited disorders that affect the body's ability to produce red blood cells. An estimated 420 million people worldwide carry the genetic defects responsible for these hemoglobin disorders, with the highest incident rate in Africa, the Mediterranean basin and Southeast Asia.

Most hemoglobin variants are harmless, but some can cause serious diseases such as sickle-cell anemia or thalassemias. Effective identification of hemoglobinopathies in newborns can minimize the risk of life-threatening complications and improve the long-term health of affected children.

Together for better screening

PerkinElmer, the global market leader in neonatal screening, and Sebia, a forerunner in capillary electrophoresis, have joined forces to create the new standard in newborn screening of hemoglobin disorders. The Sebia CAPILLARYS 2 Neonat Fast™ system is now available as part of PerkinElmer's total newborn screening solution. Together PerkinElmer and Sebia can change your neonatal hemoglobin screening for the better.

THREE EASY STEPS TO INCREASED EFFICIENCY

1. PANTHERA-PUNCHER™ 9

The next-generation dried sample punching device

Outstanding ergonomics

Enhanced traceability

Automatically adjusting punch pattern

Unique 9-plate capacity

Effective support for the simultaneous use of two different punch sizes, including the 3.8mm punch size.

2. SEBIA CAPILLARYS 2 NEONAT FAST™

Innovative screening of hemoglobin disorders

Exclusive capillary electrophoresis technology for high resolution separation and complete walk-away automation, from hemolysate preparation to final color-coded results.

3. SPECIMEN GATE™

The world’s leading informatics solution for newborn screening

Provides control and monitoring tools for the entire screening process, from pre- and post-analytical processes to electronic reporting of results and remote data entry.

BETTER VISUALIZATION, EASIER INTERPRETATION

With Sebia CAPILLARYS 2 Neonat Fast™, you can interpret results at first glance.

Migration zones

- Specific migration zones for the major hemoglobin variants
- Drop-down library of variants is automatically displayed for each zone

Abnormal vs normal curves

- Color-coded profiles showing fast validation process
- Based on detected fractions and quantification
- Internal rules to discriminate possible patterns

Clear-cut and precise profiles

- Only hemoglobin fractions are displayed, no other interfering substances
- No baseline drift, no artifact peaks
- No separation of glycated hemoglobins and other Hb adducts

Mosaic pattern

The devices shown here are available as standalone products. When interfaced, the devices together offer optimum screening performance and efficiency.

For a more detailed presentation, please check out the promotional video at https://youtu.be/Cc7SgnXuhns