

## Applications

- Enzyme Immunoassays
- Clinical Chemistry
- Immunoturbidimetry

## Samples & Cartridges

- Up to 40 samples per run (36 primary tubes or 40 secondary tubes)
- Random access possible
- STAT possible
- Reagents on board (cartridge) are ready to use
- Long reagent stability
- Barcoded reading of samples and reagents
- Serum, plasma, stool, urine or saliva samples
- Sample dilution up to 1:1000

## Calibration

- Barcoded master curve
- 2 point recalibration
- Long calibration stability

## Efficiency

- First results after 10 minutes (Clinical Chemistry) and after 60 min (Immunoassay) respectively
- Up to 40 tests per run
- True walk away capabilities
- Short hands-on times
- Easy and intuitive handling
- Benchtop analyzer (60.8 x 63.5 x 58.6 cm high)
- Only 3 system reagents Wash/Needle cleaning and System solution)
- Clot detection
- Liquid level detection
- Two assay sizes (40, 80 tests)

## Handling/Interface

- Color monitor, touchscreen (8.5 inch)
- Smart user guidance
- Bi-directional interface (LIMS)

# DRG:HYBRID-XL®

## Fully Automated Random-Access Analyzer For Immunoassays and Clinical Chemistry



The DRG:HYBRiD•XL® analyzer is designed to simultaneously perform reliable immunoassays and clinical chemistry testing, including turbidimetric tests from one patient sample, delivering a very flexible and easy method to meet the demands of the laboratory.

The DRG:HYBRiD•XL® assays are available for added convenience and efficiency.

## KEY FEATURES

- User-friendly touchscreen for ease of use
- Mono test cartridge system
- Fully automated pipetting from the primary tube with liquid level detection
- 40 cartridge positions with random access function
- Up to 40 sample positions
- On board sample pre-dilution
- Intuitive user interface
- Connection to LIS/HOST
- Standard 13 to 16 mm sample tubes or dedicated 8 mm DRG sample tubes
- Sample and reagent identification by barcode reading
- Compatibility with fecal extraction tubes
- Barcoded master curve



## FAST and EFFICIENT

DRG:HYBRiD•XL® is a benchtop device with a compact footprint which allows processing of samples in multiple environments, automatically and efficiently.

The unique ability of DRG:HYBRiD•XL® to combine different technology methods on the same platform (immunological, clinical chemistry and turbidimetric) allows the users to efficiently optimize their routing for time, cost and convenience.

The analyzer is quiet during operation and user-friendly with low maintenance requirements. Short time for preparation and start up allow quick turnaround between the runs. During any run the results are displayed as soon as a sample has been processed: between 10 minutes and 120 minutes (test/technology dependent).

## FLEXIBLE

The DRG:HYBRiD•XL® is the perfect device for small and medium sized laboratories. DRG:HYBRiD•XL®, with a range of unique and niche parameters, is also a nice complementary in larger laboratories. The capacity and flexibility of the system allows the processing of up to 40 different tests and up to 40 samples in any one session.

## CONVENIENT

The DRG:HYBRiD•XL® is designed to utilize a dedicated mono test cartridge. This technology provides ready-to-use reagents that require no preparation and can be combined in any order, providing a flexible working platform. The small mono test cartridge leads to a significant reduction in waste and preparation as well as ensuring long-term stability without on board refrigeration issues. Results are generated from a master curve barcode, 2-point re-calibration valid up to 4 weeks. Two re-calibrators and two controls are included within the packaging with 40 or 80 tests.

## ASSAY COVERAGE

The comprehensive and high quality assay menu includes panels for routine testing as well as dedicated tests not commonly found in an automated format.

Our assay offerings for DRG:HYBRiD•XL®:



Thyroid



Hypertension



Iron Metabolism



Nephrology



Cardiac



Oncology



Inflammation



Antibiotic TDM



Fertility



Diabetes



Bone Metabolism



Gastroenterology

For more information about DRG:HYBRiD•XL® and assays please contact us at:  
[support@drg-international.com](mailto:support@drg-international.com)  
Visit our website:  
[www.drg-diagnostics.de](http://www.drg-diagnostics.de)

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### Customer feedback on DRG:HYBRiD•XL®

*"We've had an excellent run with the DRG:HYBRiD•XL® in our lab space. The platform is compact, the interface is concise, the assays are robust, and the results are precise. Coming from a CLIA laboratory, I've had the opportunity to handle a number of tabletop and full-size chemistry analyzers. Put simply, the Hybrid is among the best."*

Dr. Julian I. Onyekwere, **Emory University**, Atlanta, GA, U.S.A.

### Customer feedback on DRG:HYBRiD•XL®

DRG's distributor in Turkey **Ozgun Kimya A.S.** installed DRG:HYBRiD•XL® instruments in Biochemistry laboratory at Başakşehir Çam Sakura City Hospital and the ISLAB-4 Central Metabolism Laboratory:

*"In particular, the 17-OH progesterone test, which was fully compatible with LC-MS (r2=0.98), effectively eliminated the result discrepancies observed in children under 3 years of age. In addition, thanks to the advanced technology of the DRG:HYBRiD•XL®, test samples are processed and finalized extremely quickly."*