

thermo scientific

# Powerful Precision with B·R·A·H·M·S KRYPTOR

Uncompromised quality for  
essential indications



Thermo Scientific™  
B·R·A·H·M·S™ KRYPTOR™ compact PLUS



Thermo Scientific™  
B·R·A·H·M·S™ KRYPTOR™ GOLD

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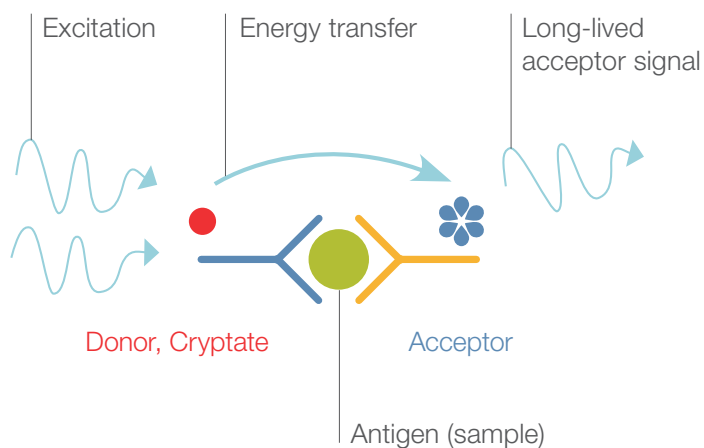
# TRACE – powerful technology

Time Resolved Amplified Cryptate Emission exclusively available on B·R·A·H·M·S KRYPTOR Analyzers

Nobel Prize® winning TRACE™ Technology ensures a fast and reliable result by precisely detecting only the signal of interest in a short measurement time.

## TRACE Principle

The basis of the TRACE Technology is non-radiative energy transfer from a donor to an acceptor, which is part of a chemically modified, light-collecting algal protein (e.g. XL 665). The spectral overlap between donor emission and acceptor absorption spectra on the one hand, intensify the fluorescent signal of the cryptate and on the other hand they extend the life span of the acceptor signal, permitting the measurement of temporally delayed fluorescence. TRACE ensures that only signals of interest are measured by excluding unbound and unspecific signals.



Learn more about **TRACE**



# Flexibility to choose an analyzer that best fits a laboratory's needs



## **B·R·A·H·M·S KRYPTOR compact PLUS**

With small footprint and intelligent engineering, Thermo Scientific B·R·A·H·M·S KRYPTOR compact PLUS brings exceptional value to clinical laboratories.

This benchtop analyzer is designed perfectly for small size routine labs or research labs with a need of up to 8 different immunoassays and a throughput of up to approximately 60 tests per hour.

## **B·R·A·H·M·S KRYPTOR GOLD**

The novel engineering and thoughtful design of B·R·A·H·M·S KRYPTOR GOLD redefines user autonomy, throughput and cost efficiency.

This benchtop analyzer is designed perfectly for medium size routine labs with up to 16 different immunoassays and with throughput of up to approximately 115 tests per hour.



Learn more about **B·R·A·H·M·S KRYPTOR Analyzers**

# Benefits for precise and accurate diagnostics

B·R·A·H·M·S KRYPTOR Analyzers provide access to new innovative markers for improving patient management and health economics.



## Trusted results with outstanding precision

For trusted results precision and accuracy are essential. Nobel Prize winning TRACE Technology provides the highest precision possible for the entire measurement range.



## Reliable decisions from low interference

Interferences will cause errors and result in inaccuracy. Low interference leads to safe decision making when the laboratory interprets patient results providing the right course of treatment by a clinician. TRACE Technology and homogeneous immunoassay not only provide lowest level of Human anti-mouse antibody or human anti-murine antibody (HAMA) interferences but also low inter- and intra-assay Coefficient of Variability (CV %).



## Optimized workflow with self-determining dilution factor

Optimized workflow will enhance the time to result and reduces hands-on time. With no user intervention, TRACE Technology on B·R·A·H·M·S KRYPTOR Analyzers can autonomously determine the dilution factor for out-of-range samples and can complete the dilution automatically.



## Unique assays for essential indications

B·R·A·H·M·S KRYPTOR homogenous immunoassays are uniquely designed to fulfill routine laboratory needs with high-quality and reliable test menus. They are biotin free, wash free and separation free. Guaranteed lot-to-lot stability provides highest quality for essential indications.



Discover technology behind **B·R·A·H·M·S KRYPTOR Analyzers**

# Key features

Optimize workflow to focus on essentials.



## Fully automated maintenance – for reliable workflow

Ensure maintenance steps are not forgotten by using predominantly automated and software-controlled maintenance management system. Track and record all maintenance steps to support the quality management system.



## Real-time notification system – for keeping track of the samples and reagents

Get the results directly delivered via Lab Information System (LIS) connection. In addition to warning signals, get real time notification when a bubble or particle is detected.



## End to end traceability – for reducing error in data entry

Minimize errors by using barcoded reagents and consumables.



## STAT function – for fast sample analysis during emergency situation

Run emergency samples without interrupting the on-going measurement.



## User-friendly interface – for ease of use

React with purpose and ensure results are relevant when intuitive graphics like colour-coded system (“traffic light system”) alert run status and any necessary action.



## Self-determining dilution factor – for no user intervention

Reduce the hands-on time by using TRACE Technology that helps determine the dilution factor for out-of-range sample and make sure that the dilution is carried out with no human intervention.

Explore **B·R·A·H·M·S KRYPTOR Analyzers**



# Technical specification



Specifications	B-R-A-H-M-S KRYPTOR GOLD	B-R-A-H-M-S KRYPTOR compact PLUS
<b>Dimensions (W x H x D)</b>	93 x 73 (121 with tower light or with open hood) x 72 cm	74 x 63 x 75 cm
<b>Weight</b>	118 kg	54 kg
<b>Electrical consumption</b>	465 W	700 W
<b>Throughput (per hour)</b>	Up to 115 tests	Up to 60 tests
<b>Sample capacity</b>	Up to 80 samples	Up to 64 samples
<b>Reagent capacity</b>	Up to 16 kits	Up to 8 kits
<b>Operating mode</b>	Random access	
<b>Sample test tubes</b>	<ul style="list-style-type: none"> <li>• Primary and secondary test tubes, diameter <math>\Phi</math> 11-17 mm</li> <li>• Micro test tube adapter for micro cups</li> </ul>	
<b>Noise</b>	The A-weighted equivalent continuous sound pressure level at operator's position: LAeq 66,1 dB	
<b>Sample check-up</b>	<ul style="list-style-type: none"> <li>• Liquid-level monitoring</li> <li>• Clot recognition</li> </ul>	
<b>Sample &amp; reagent identification</b>	Auto identification of sample and reagent — barcoded or manual entry	
<b>Reagent check-up</b>	<ul style="list-style-type: none"> <li>• Liquid-level monitoring</li> <li>• Expiry date</li> <li>• Status of calibration and number of remaining tests</li> </ul>	
<b>Sample &amp; reagent distribution</b>	One reusable needle without disposable tips	
<b>Calibration methods</b>	Recalibration of existing master curve	
<b>Online connections</b>	<ul style="list-style-type: none"> <li>• LIS connectivity</li> <li>• Fast screen software for PNS assays</li> <li>• Remote support available</li> <li>• QC model included</li> </ul>	
<b>Maintenance</b>	Fully automated software controlled and tracked	



Explore **B-R-A-H-M-S KRYPTOR Analyzers**

# Unique B·R·A·H·M·S KRYPTOR homogenous immunoassays

Outstanding quality and reliable test menus



To keep the future bright  
using the gold standard in Prenatal Screening



To keep the path under control  
with gold standards in Endocrinology



To keep every place occupied  
recognize the signs in time in cancer patients



To take control  
manage bacterial Infections effectively



To keep safe in risky situations  
instant identification and differentiation in Acute care

Cutting-edge research and biomarker development that keep pace with  
the information needs of modern healthcare

Explore **B·R·A·H·M·S KRYPTOR assay portfolio**



# B·R·A·H·M·S commitment to customer success

B·R·A·H·M·S KRYPTOR Analyzers are backed up by a team with excellent technical and clinical expertise committed to ensuring that customer gets the best experience.

- A global support is always ready to answer questions to prevent a problem or solve an existing issue by providing solutions, recommendations and on-demand risk analysis.
- Knowledgeable technical field and application specialists makes sure that operational and end user support is provided in a timely manner.
- Dedicated on-site, in-house and virtual trainings will make sure every user gets adequate education to operate efficiently.
- Customer support via remote service helps to evaluate, diagnose and repair when and where needed.



Contact **B·R·A·H·M·S experts**



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