

HumaStar 200

Primed for precision, built for performance

- › Reliable and cost-effective - the perfect choice for aspiring labs
- › Intuitive and powerful, designed for easy and efficient operation
- › Enhanced performance to simplify your daily routine



Human

Diagnostics Worldwide

HumaStar 200

The perfect choice for aspiring labs



- **Advanced cuvette wash station** for improved performance and lower failure rate
- **Upgraded pipetting unit** delivers higher precision for low volumes and improved repeatability
- **V-shaped low-volume reaction cuvettes** reduce operating costs — up to 50% lower price per test
- **Integrated 2D barcode scanner** enables effortless import of QC and calibration target values
- **New software** streamlines workflows for seamless operation

HumaStar 200 REF 16895

Medium throughput random access analyzer

- Up to 200 tests per hour
- Random-access and STAT
- 80 advanced low volume reaction cuvettes
- Multi-step cuvette wash station with method defined programmes
- 60 sample positions for primary tubes and sample cups with internal sample barcode reader
- 30 reagent positions for 20 ml and 50 ml bottles
- Capacitive liquid level detector
- Needle shock detector
- Liquid containers with level monitoring
- Efficient data management with LIS via ethernet, ASTM protocol, bidirectional
- Printing on Windows compatible printer
- Uninterruptible Power Supply (UPS) 230V included
- Multi-language software: English, French, Spanish

Designed for easy and efficient operation

- Continuous reagent cooling independent from main power switch
- Automated pre and post-dilution processes enhance efficiency for extended walk-away time
- Convenient reagent management with removable reagent tray and the choice of 50 ml or 20 ml bottles
- Versatile sample handling with the choice of three different removable sample trays
- Up to 8 calibrators per method with automatic pre-dilution
- Minimal water and energy consumption

QC options

- Levey-Jennings plots and Westgard multi rules
- Up to 3 QC levels per test
- Real-time QC monitoring with detailed reporting
- Method statistics: including test counter, CV%, mean, graphical trend analysis

Powerful and easy to use software

- Software designed for touchscreen operation with smart graphical user interface
- Programmable automatic start up routine and multiple work lists
- Method and reagent monitor (volumes, available tests, calibration, QC status)
- Continuous loading of samples and reagents
- Free choice of execution order
- Results archive with cumulative charts

Safety first with smart system monitoring

- Intelligent flagging system and extensive error log
- Lifecycle counter for components with maintenance alerts ensuring consistent performance
- Two types of systemic and special washing solution
- Routine checks and individual cuvette blanking
- Programmable validity limits for methods and reactions
- Reagent integrity check

HumaConnect – cloud powered services*

With encrypted automated backups, remote diagnostics, and continuous system monitoring, your analyzers stay up and running at all times.

- Protect your data with encrypted, automated cloud backups
- Reduce analyzer downtime and improve productivity
- Speed up the service support through remote troubleshooting



Broad assay panel “Made in Germany”

- Optimized for the use with HUMAN analyzers
- Meets various throughput needs with multiple kit sizes
- Consistent quality “Made in Germany” produced in accordance with the latest quality standards

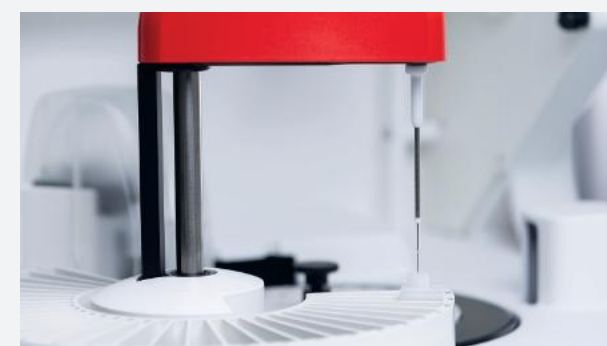
* This optional service is not part of the standard package. Your distributor will be happy to provide you with more details.



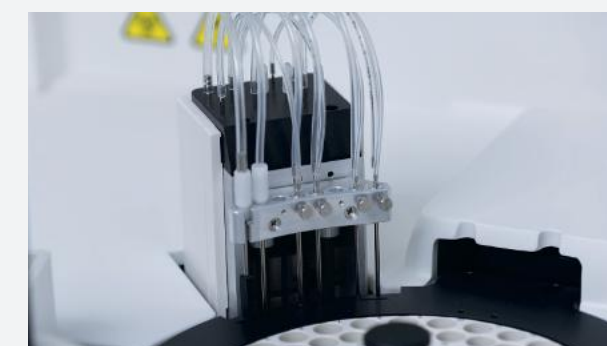
Powerful and easy to use software



V-shaped low-volume reaction cuvettes



Upgraded pipetting unit



Advanced wash station

HumaStar 200

Broad Assay Panel - Made in Germany

Multipurpose reagents

- > Ready-to-use and liquid stable
- > Meets various throughput needs with multiple kit sizes
- > Validated applications and settings for HUMAN analyzers



Immune Status	anti-Streptolysin-O, Complement C3 and C4, CRP, Immunoglobulins IgA, IgG, IgM
Arteriosclerosis	Cholesterol, HDL-/LDL-Cholesterol,
Cardiac Risk Assessment	Triglycerides
Cardiac Panel	CK-NAC, CK-MB, GOT (ASAT), GPT (ALAT), Homocysteine, LDH
Liver Panel	Albumin, Alkaline Phosphatase, Bilirubin Total and Direct, Cholinesterase, gamma-GT, GOT (ASAT), GPT (ALAT), Total Protein
Kidney Panel	Calcium, Creatinine, Cystatin-C, Inorganic Phosphorus, Magnesium, Microalbumin, Potassium, Sodium, Urea/BUN, Uric Acid, Urinary Total Protein
Pancreatic Tests	alpha-Amylase, Lipase, Pancreatic Amylase
Diabetes	Glucose, HbA1c, Microalbumin, Triglycerides, Urinary Total Protein
Bone Metabolism	Alkaline Phosphatase, Calcium, Inorganic Phosphorus, Magnesium
Rheumatic Diseases	anti-Streptolysin-O, Complement C3 and C4, CRP, Rheumatoid Factors
Anemia	Iron, Total Iron Binding Capacity, Transferrin
Water & Electrolyte Balance	Albumin, Chloride, Potassium, Sodium, Total Protein

