HIDEX

Hidex **AMG**

Automatic Gamma Counter

LabLogic
EXPERIENCE & EXPERTISE

Hidex **AMG**

Effortless operation with integrated applications

Specifically designed to meet the needs of modern laboratories, the Hidex AMG's touchscreen operated software and application-focused design delivers effortless workflow and provides results quickly and efficiently.

Facilitating efficiency and workflow

- Combines all the necessary individual measurement data in a glomerular filtration rate (GFR) assay to produce a final report for secure workflow in hospitals.
- Add easy quality control through Ge/Ga elution ratio measurements.
- High efficiency and suitable shielding for PET research with isotopes such as ^{15}O, ^{18}F and ^{89}Zr.
- Automatic decay correction to a defined time stamp.
- Includes easy to use diagnostic tool for traditional radio-immunoassays.
- Automatic data export into user definable format.
- Ensure radio safety through ready-set gamma counting measurements.

Technical innovations

### A unique combination with the onboard balance

The optional automated onboard balance offers unprecedented convenience and reliability. It saves the operator valuable time by speeding up work flow.

Results are reported automatically as activity per mass or volume providing increased dependability.

The Hidex AMG with the precise and easy to use onboard balance is a perfect platform for bio-distribution studies.

Going beyond with the extended MCA

The Hidex AMG is equipped with a powerful linear multichannel analyser for detailed spectrum analysis. Never before has there been a possibility to measure isotopes with an energy range of up to 4,000 keV.
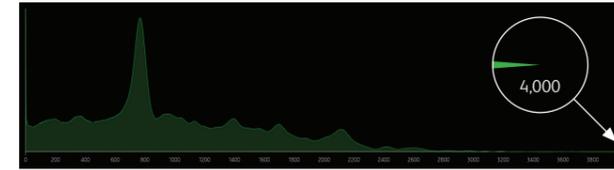
Sample QR code

The Hidex AMG now has a sample QR reader – the first commercially available automatic gamma counter to offer this feature.

The sample QR code reader can be used as a direct sample ID reader. The QR code is inserted on the vial cap and once the measurement is started, the ID is read right before the measurement and added as a result column in the result file.

55 mm 4-pi lead shielding

Optimum measurement geometry for high counting efficiency

Suitable for several different sample vial dimensions

Additional lead shield to minimise interference from samples on the conveyor

Advanced 3" NaI well-type detector
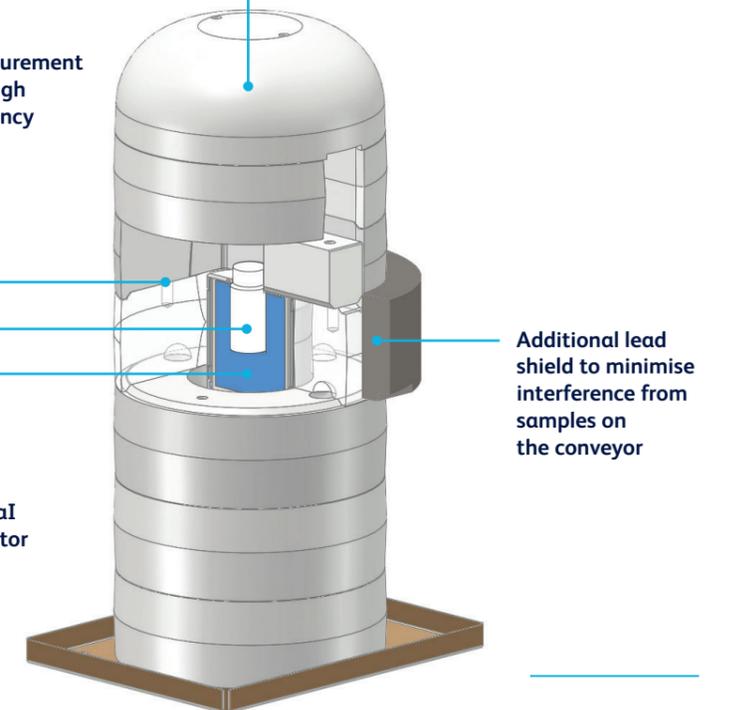
Software beyond comparison

The Hidex AMG is ready to run with immediate access to your methods. Results are calculated straight into Bq or Ci values and include automatic storage of the full energy spectrum to ensure no data is lost.

An external touchscreen PC with Windows 10 operated software features an easy to use graphical interface and live spectrum display.

The software has a built-in algorithm to compensate for spectral pulse pile up of high activity samples.

Besides traditional printing, data is easily exported into Excel and other formats to a user defined location. Sample ID import ensures easy handling of data.

In order to satisfy laboratory security and regulatory demands, the Hidex AMG software is 21 CFR part 11 supported.

Exceptional performance

An optimal lead shield design and a single 3" NaI well-type crystal detector provide superb counting efficiency, low backgrounds and minimal interference from samples on the conveyor.

Specifications	
Size	620 (W) x 700 (D) x 600 mm (H) (25" x 28" x 24")
Size with balance	620 (W) x 830 (D) x 600 mm (H) (25" x 33" x 24")
Weight	198 kg (437 lb)
Weight with balance	203 kg (448 lb)
Sample Capacity	$\varnothing$ 13 mm max. 250 pcs. and $\varnothing$ 28 mm max. 78 pcs.; 95 mm max. height
Counting Efficiency	Cs-137 47%, I-129 58%, Cr-51 6%
Detector Shielding	Optimal 4-pi Pb shield design 55 mm; 80 mm shielding on conveyor side
Background (Open Window)	< 328 cpm
Please refer to the Technical Specification Sheet for further information	

Service and Support

Users of our systems can benefit from our comprehensive, fully inclusive service and support.

We can give reassurance that if things go wrong or you need expert advice, help is only an e-mail or phone call away.

Validation Services

Our Validation Service enables you to implement and get maximum value from your investments as soon as possible.

We work as a partner with your Quality Manager, System Manager and users to provide a tailored Validation Plan, suited to your needs. Our Validation Specialists have years of experience in GLP system validation, detailed knowledge of our systems, together with other industry standard systems to help you meet company and regulatory requirements.

Training

LabLogic can provide a variety of training courses and workshops to help you get the most out of your instrument and software.

All training is performed by our expert Product and Support Specialists who have many years experience in the development and use of the instruments and software.

Certificates can be provided to complement your internal GLP training records.

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