HIDEX

Hidex AMG
Automatic Gamma Counter

Your research
is important to us

Our long standing tradition of user-oriented design philosophy gives you a chance to focus on your work.

Hidex is proud to introduce the automatic gamma counter specifically designed to meet the needs of modern laboratories.

Touchscreen operated software and application-focused design guarantee effortless work flow with results simply at your fingertip.

Effortless operation with integrated applications

Hidex AMG is the first gamma counter dedicated to Nuclear Medicine and PET applications.

Combine all necessary individual measurement data in glomerular filtration rate (GFR) assay to get a final report for secure work flow in hospitals.

Add easy quality control through Ge/Ga elution ratio measurements.

High efficiency for PET research with isotopes such as ^{15}O, ^{18}F and ^{89}Zr with automatic decay correction to a defined time stamp.

An easy to use diagnostic tool for traditional radio immunoassays with 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 by Sartorius, offers unprecedented convenience and reliability.
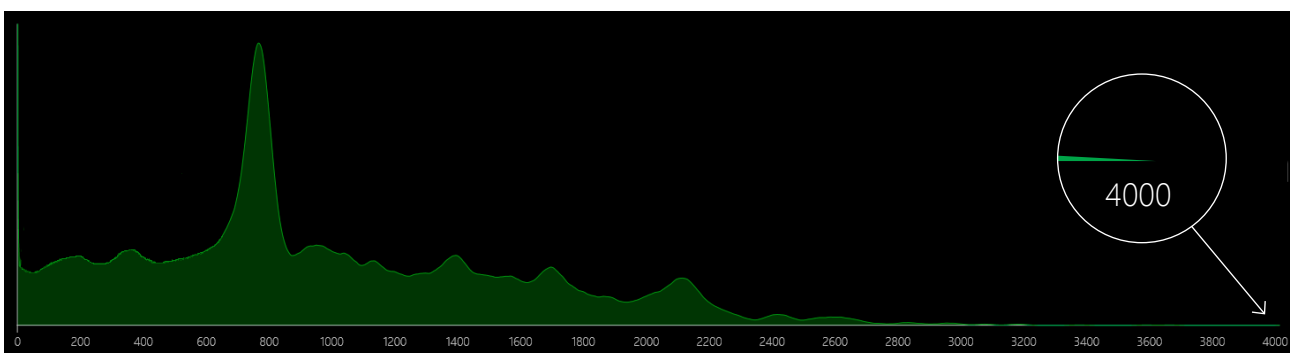
It saves the operator valuable time by speeding up work flow. Results are reported automatically as activity per mass or volume providing increased dependability.

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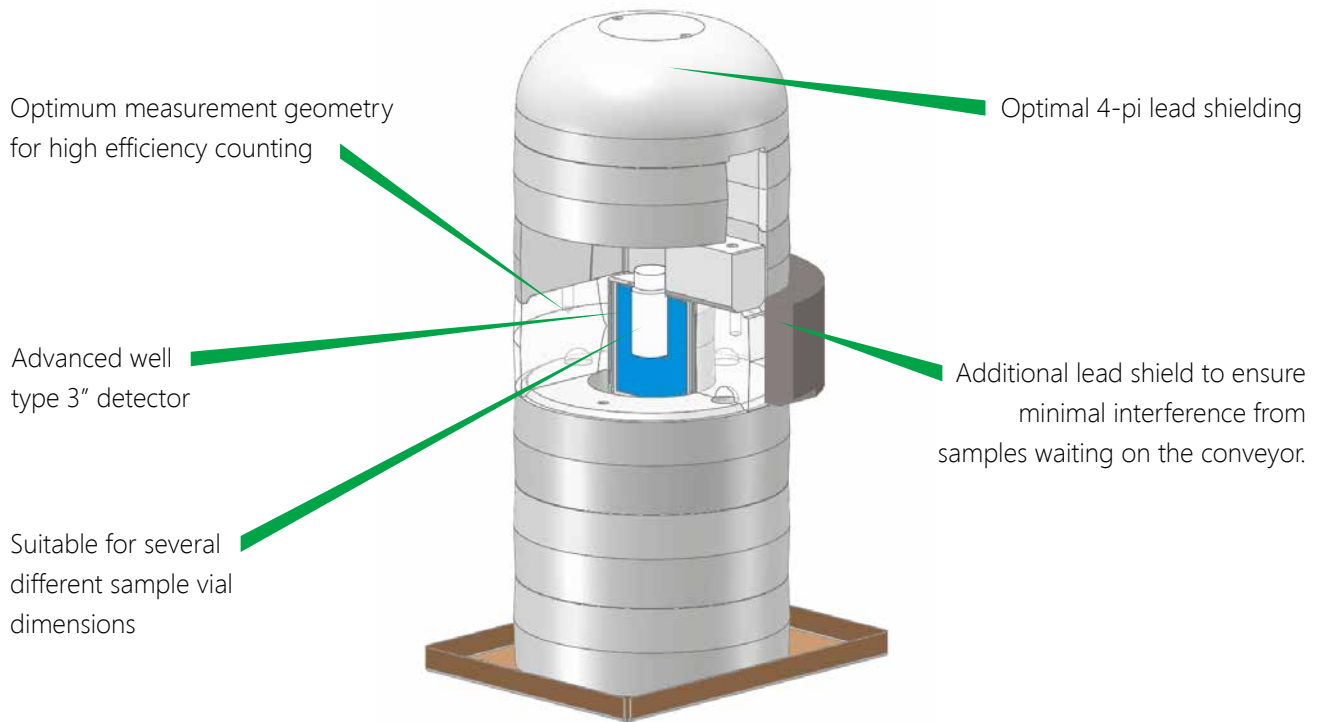
sartorius

Going beyond with the extended MCA

Hidex automatic gamma counter is equipped with a powerful linear multichannel analyzer for detailed spectrum analysis. Never before has there been a possibility to measure isotopes with energy range up to 4000 keV.

Modern approach and convenience for nuclear medicine and PET

Optimum measurement geometry for high efficiency counting

Optimal 4-pi lead shielding

Advanced well type 3" detector

Additional lead shield to ensure minimal interference from samples waiting on the conveyor.

Suitable for several different sample vial dimensions

Software beyond comparison

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

External PC with Windows 10 operated software features easy to use graphical interface, with data exporting to user defined location.

The software has an inbuilt algorithm to compensate for spectral pulse pile up of high activity samples.

Besides traditional printing, electronic data storage in several formats is possible. Sample ID input makes data handling easy.

Meeting up with laboratory security demands, the Hidex AMG software is 21 CFR part 11 supported with user rights and permissions are combined to Windows user accounts.

Specifications, Model #425-601:

- Dimensions: 620 mm (W), 700 mm (D), 600 mm (H)
- Weight: 198 kg
- Sample quantity: Ø13mm max 250 pcs. and Ø 28 mm max 78 pcs.
- Counting efficiency (peak window): Cs-137 18%, I-129 58%
- Background (open window, CPM): 350

Sartorius is a registered trademark

Optional features:

- 425-640 MCA extension up to 4 MeV
- 425-645 Automated Sartorius sample balance
- 450-601 21 CFR Part 11 software support package

Products

HIDEX 300 SL

A very compact automated TDCR Liquid Scintillation Counter featuring absolute activity/DPM without external radioactive standards enabling a wide variety of applications.
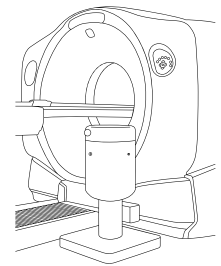
Automatic TDCR Liquid Scintillation Counter

Super Low Level TDCR Liquid Scintillation Counter

RADIOWATER GENERATOR

An automated production system for ^{15}O-labelled H$_2$O for Positron Emission Tomography studies.

TRIATHLER

A single-sample counter, which provides fast and accurate results for several life science and environmental applications, measuring all radioisotopes including tritium in a variety of sample formats.

LSC   Luminometer   Gamma Counter

HIDEX SENSE

The Hidex Sense microplate reader is loaded with several unique innovative features to provide full flexibility at top performance. With touchscreen operated software and the compact application ready microplate reader, we turn your applications into results, simply at your fingertip.

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