

NEW ULTRA LOW LEVEL LS COUNTER AND OTHER DEVELOPMENT NEWS FROM HIDEX

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Since discontinuation of PerkinElmer Quantulus 1220 in 2014 there has not been a true ultra-low level LS counter available in the global market. Such a counter is needed e.g. in hydrogeological applications for measurement of sub-surface concentrations of H-3 in water, or direct counting of environmental concentrations of beta and alpha isotopes. The current low level counters in the market can be used up to certain extent, but do not meet the most demanding user requirements. Hidex is now proud to present a true ultra-low level LS counter. From performance point of view the FOM for H-3 in water is 2 to 3 times higher than that for Quantulus GCT and Hidex 300 SLL. High performance is obtained by an enlarged passive Pb shield and geometrically optimized active guard design. New User Interface Software is designed based on feedback of the users. As in all Hidex automatic counters, the new ultra-low level counter employs triple-coincidence TDCR detector and high-resolution alpha beta separation with graphical 3D calibration and results evaluation tool. The counter will be available for deliveries in the first half of 2023.

Hidex 600 SL, which is the high-capacity model of Hidex 300 SL LS counter has been upgraded. The major improvements are with i) sample cooling, ii) sample specific QR code reading, and iii) stability of communication, which is obtained by replacing instable Windows service with internal Linux PC. The design of the counter is also changed to distinguish from the old models. QR code reader, and new communication protocol with Lablogic DEBRA and LAURA software platform provides a truly CFR 21 Part 11 compliant measurement platform for CROs and pharmaceutical research applications.

Hidex has acquired the scintillation cocktail products from Meridian biotechnologies. Meridian is a technology leader in the development of environmentally friendly NPE-free cocktails and both companies share a strong will to develop new products for liquid scintillation counting.