

300SL Automatic TDCR Liquid Scintillation Counter

Liquid Scintillation counting

1. Multi Channel Analysis.
2. Direct measurement of beta efficiency by triple to double coincidence ratio.
3. Detection of beta-emitters on LSC mode up to 2000 keV,
alpha-emitter up to 10,000 keV (with alpha/beta separation option)
4. Detection of 7ml and 20ml vials.
5. Vials are placed in a rack with 96*7ml vials and 40*20ml vials
6. Preset protocols: H-3, C-14, S-35, P-33, P-32, I-125, Cerenkov and Free
7. Other nuclides and Cerenkov counting can be easily defined.
8. Beta Spectrum Analysis.
9. Quench curve analysis on MikroWin 2000 data reduction software or on MS Excel macro.
10. Counting efficiency 65% for H-3, > 95% for C-14 with unquenched samples.
11. Counting efficiency 26% for H-3, with 8ml aq + 12 ml AquaLight; Typical background < 12.5 CPM
12. Counting efficiency: α 's(Po-210, U234/U238, Am-241, Rn-222, Ra-226)>95%;
Background < 0.5 CPM, in plastic vials (with alpha/beta separation option)
13. Count Rate up to 3,000,000 CPM, with MCA.

系統配件:

- 1 Automatic scintillation reader
2. Owner's Handbook
3. Rack for 40 / 20 ml vials
4. Rack for 96 / 7ml vials
5. Power supply 100-240V/24V
6. RS-232 cable
7. MikroWin 2000 Full version Instrument control/data acquisition software
8. PC – 雙核心CPU, 320G HDD, 1G M Ram, 21" LCD monitor (最低配備)

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