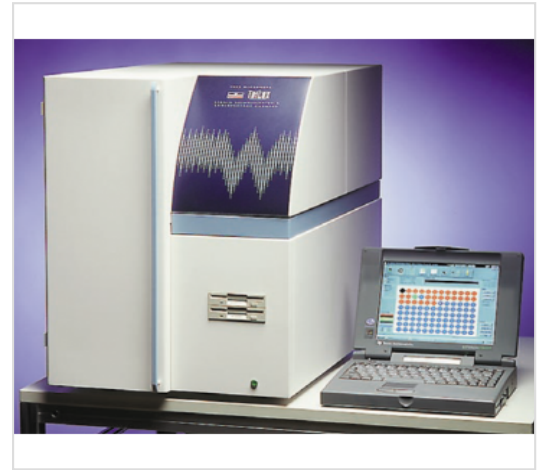


## Perkin Elmer 1450 Microbeta Classic

Manufacturer: Perkin Elmer Packard

SKU#: 8381-30-1003

- Liquid scintillation counting in microtiter plates
- Filter plates, e.g. UniFilter® Plates
- Single and Dual Label CPM and DPM
- Luminescence counting
- Solid scintillator
- Scintillation proximity assays



### Product Description

GMI is proud to offer certified pre owned MicroBeta Trilux – fully refurbished to specification and offered with a full warranty. The Wallac (Perkin Elmer now) MicroBeta® TriLux is the preferred solution by discerning researchers for microplate liquid scintillation counting of samples in microtitration plates, tubes or on filters.. MicroBeta® is the model name (also known as Trilux) line from PE. The MicroBeta TriLux adds new and improved capabilities for researchers engaged in all major radiochemical and luminescence applications. By combining LSC functionality with plate reader simplicity, it enables vast savings in time, consumables and waste for your LSC liquid scintillation screening applications. The MicroBeta2 is ideal for assays using 3H, 14C, 32P, 33P, 35S, 51Cr, 125I and glow-type luminescence labels as well as other scintillation proximity assays.

### Perkin Elmer 1450 Microbeta Classic Specification

Model	Detectors	Capacity, plates	Counting formats
1450-021	6	16	96/24 <sup>3</sup>
1450-022	3	16	96/24 <sup>3</sup>
1450-023	2	16	96/24 <sup>3</sup>
1450-024	1	16	96/24 <sup>3</sup>
1450-025 <sup>1</sup>	6	RLS	96/24 <sup>3</sup>
1450-027 <sup>2</sup>	6	32	96/24 <sup>3</sup>
1450-028	6	16	96/384
1450-029 <sup>1</sup>	12	RLS	96/384
1450-030 <sup>2</sup>	12	32	96/384

\*GMI also offers original classic MicroBeta2 6 detector –In Stock Now - \$ Inquire.

#### Additional Features:

MicroBeta TriLux has 1, 2, 3, 6 or 12 detectors and can count in 96 and 24 or 96 and 384 formats. Software features include the facility to count non-standard 4 - 6 and 16 - 24 formats. Each detector in MicroBeta comprises two photo-multiplier tubes, one above the sample and one below. This arrangement provides the best possible counting geometry for every assay type.

#### Example Liquid Scintillation Counting Efficiency

Unquenched sample with a volume of 150 microlitres of cocktail unpurged, in the 1450-401 96-well sample plate: 3H: typically 57%, 14C: typically 94%

## Typical Luminescence Counting Performance

Black microtitration plate Maximum count rate 24 million CPS, background 100 CPS, crosstalk 0.002%.

## Live Display

8 - 12, 4 - 6 or 16 - 24 live display provides instant feedback to the user.

## Easy DPM

Pre-stored quench data is modified by counting just two standard samples. Errors in sample preparation and lengthy standardization counting times are thereby avoided.

## Three Counting Windows

Counting data from three separate and independent counting regions can be obtained.

## Data Output

Comprehensive output options in addition to standard count rate information are freely selectable. Output options include sample /plate ID, quench parameters, spectrum plot, date and time, CPM & DPM monitors and statistical analysis. Output can be customized in either column and/or plate format.

## Software Functionality;

## Operating Features

- Live spectrum display.
- Numeric or colour intensity display in 96 or 24 formats.
- Full control of injector module setup and automatic functions.
- Protocol Groups.
- Protocol templates with user defined restrictions for quick and easy editing.
- Protocol specific plate mapping with 'Auto fill' feature.
- Master plate for fast plate map editing.
- Protocol editing while the counter is operating.
- 'Execute' function automatically boots selected application software for data analysis.
- 'Plate Orientation' caters for plates, that are rotated or inverted during sample preparation.
- Status bar indicates instrument operation.
- Hypertext HELP.
- Password Protection

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## WHY BUY FROM GMI?

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