

ACTIVE FILM Multipliers™ for the HP/Agilent Technologies 5971 and 5972 MSD's



The model 14516 detector from SGE has been specifically designed to retrofit the HP/Agilent Technologies 5971 and 5972 MSD systems. The 14516 is completely self contained and plug compatible with the original equipment. An electrical lead set is supplied with each multiplier. No special mounting assemblies or other hardware is required.

PRODUCT DATA

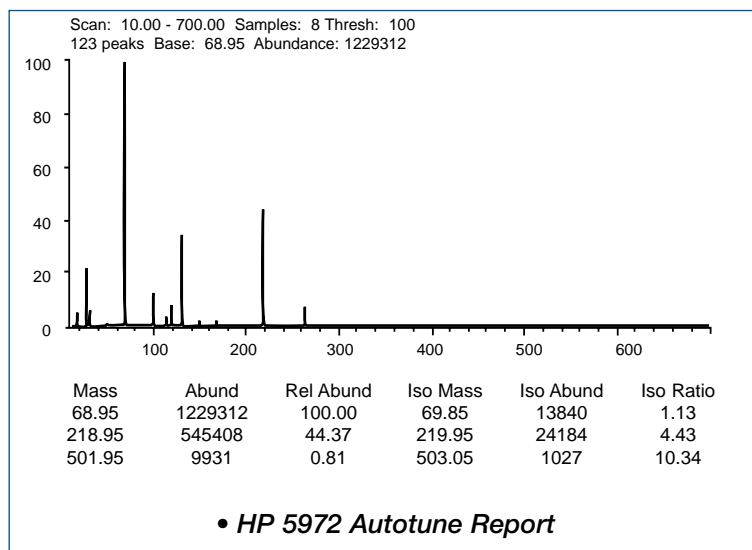
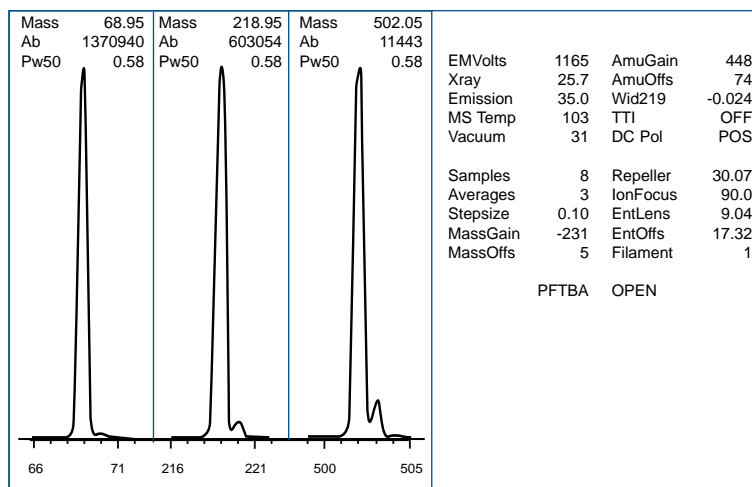
Incorporating sophisticated state-of-the-art ion optics and unique discrete-dynode construction, the 14516 is guaranteed to meet or exceed all instrument specifications. Typical autotune results are shown in the box adjacent.

All ETP ACTIVE FILM Multipliers™ from SGE have been developed to exhibit:

- Unsurpassed Sensitivity
- Unrivalled Linearity and Dynamic Range
- Unequaled Operational Lifetime
- Uncompromised Ease of Installation

ORDERING INFORMATION

Part No.	Description
14516	Multiplier



Installation of the 14516 Detector in your HP/Agilent Technologies 5971/72 MSD's

Installation or replacement of the 14516 takes only about 5 minutes once the mass spectrometer is cooled and vented to atmosphere. Refer to the photograph at right or to your instrument documentation for assistance.

- 1 Cool and vent the mass spectrometer according to instructions provided with the instrument.
- 2 Follow instructions in the instrument documentation for removal of the analyzer assembly and place the assembly on a clean work surface.
- 3 Detach the electrical leads from the multiplier contact pins and from the instrument base plate feedthroughs.
- 4 Remove the existing multiplier or multiplier assembly by removing the two mounting screws which attach the assembly to the analyzer housing.
- 5 On older 5971 instruments it may be necessary to bend the feedthrough pins to avoid interference with the multiplier housing. This should be done with two pairs of needle-nose pliers. One pair of pliers should be used to grasp the feedthrough below the bendpoint to avoid stress which may cause cracking of the feedthrough.
- 6 Attach the multiplier to the analyzer housing via two mounting screws through the multiplier aperture plate.
- 7 Connect the electrical leads according to the diagram and instructions included with the multiplier.
- 8 Replace the analyzer housing and begin the pumpdown process. Ensure that the vacuum is below 10^{-5} Torr before applying voltage.



Electron
Multipliers
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A DIVISION OF SGE GROUP OF COMPANIES

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