Description

The confocal system has the capability of displaying images with four (4) or more different fluorescent labels, using four (4) or more different channels. A channel in this confocal system is a photomultiplier tube (PMT) or photo-detector.

The four (4) or more channels employed by the confocal system are constructed physically independent of one another and which can be operated individually with their own individual barrier filters and pinholes array.

These channels provide the modularity of the confocal system in that they allow for flexibility in design and adaptation. Where there is no requirement for the use of all four (4) or more channels in the confocal system, the system is able to incorporate and operate on fewer channels. The modular feature enables the same system to add on channels or remove channels as and when required.

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