

磷光影像系統

Phosphor Imager System

【儀器原理及功能】 【正常】

The Phosphor imager is a high performance alternative for radioisotopic imaging applications that uses the latest in storage phosphor scanning technology. The unique helical scanning design provides the highest resolution and sensitivity available in a compact, affordable system. From tissue sections to sequencing gels to gene arrays, Cyclone can provide the quantitative images you need for all commonly used radioisotopes including ^3H , ^{125}I , ^{14}C , ^{35}S , ^{33}P , ^{32}P , ^{18}F , and $^{99\text{m}}\text{Tc}$. Cyclone speeds up your research with accurate, reproducible, publication quality data. Cyclone is designed with state-of-the-art confocal optics and a helical scanning system to get the most out of the best phosphor screens available. The laser beam is focused to less than 50 microns to optimize resolution. The unique light collection optical design captures the signal more efficiently for better sensitivity and a wide linear dynamic range. Cyclone enables you to quantify your samples, with one exposure, in less than one tenth the time needed for film.

【儀器說明】

儀器型號：

Cyclone storage phosphor system

美國 Packard/Perkin Elmer 公司

性能：

Short exposure time up to 10 times faster than film

Long linear dynamic range over five orders of magnitude, compared to only two for film

Simultaneous exposures for lowest activity samples

OptiQuant™ Analysis Software included

Publication quality images

購置日期：90.12.31

購置價：1,122,127 元

經費來源：教育部

【服務項目】

Northern, Southern and Western blots

Traditional polyacrylamide, agarose, and sequencing gels

DNA macroarrays

Receptor autoradiography, including 3H labeled ligands

In-situ hybridization

ADME studies using whole body autoradiography

【申請辦法】

須提前七日申請，每星期一至五上班時間，請電張文興助理教授(05)2717765

【樣品準備須知】

1、樣品自備

2、耗材代購

【收費標準】

服務工本費每次 500 元、特殊需求另議

【聯絡方式】

農業生物科技學系暨研究所 張文興助理教授 電話：05-2717765

【儀器室地點】

國立嘉義大學農業生物科技學系精密儀器室

【儀器之 JPG 圖檔】

