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SERVA ScreenPicker

Error-free Spot Picking

New: SERVA ScreenPicker for semi-manual spot picking

The new SERVA ScreenPicker allows semi-manual spot picking from 2D fluorescent gels without additional post-staining!

Without automated picker error free manually spot picking from complex fluorescent stained 2D gels is a challenge. To visualize the spots, it usually requires post-staining (silver, Coomassie etc.) of the gel. But this staining methods are less sensitive than fluorescence detection and, in addition, post-stained protein spots may cause problems by interfering with subsequent analysis method (e. g. mass spectrometry). After picking the spot you have to know the right position within the microtiter plate to avoid any mixing ups.

The SERVA ScreenPicker provides a simple but effective solution for these problems.

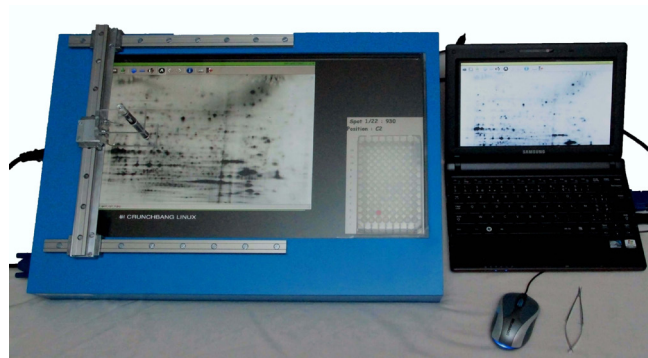
- **Flexible: reads any image or pick list format**
- **Designed for HPE gels on non-fluorescent plastic backing and gels on 3 mm glass plates**
- **VIS light for safe usage**
- **Precise XY carriage and robust picker head**
- **Virus-safe, Linux-based software environment**
- **Maintenance-free**
- **Size 55 x 36 x 8 cm**
- **Weight 7 kg**

Ordering Information

Cat. No.	Product
HPE-SP1	SERVA ScreenPicker

SERVA ScreenPicker comes complete with PC, pre-installed software and picker head.

- **2D image displayed 1:1 on gel via flat screen**
- **Semi-manual, guided picking spot by spot**
- **Error free plug disposal**
- **Low cost, affordable by any lab**



Workflow:

- (1) Prior to scanning the gel, three gel corners are marked
- (2) A scanned gel image with annotated spots is chosen and projected on the horizontal flat screen below the real gel
- (3) Follow the pick list from imaging software
- (4) Position the microtiter plate correctly
- (5) Align gel and image on the screen
- (6) For the first position the spot is marked by cross hair and the position in the microtiter plate is highlighted by a light
- (7) Position the XY carriage exactly over the spot as marked by cross hair
- (8) Pick spot #1 and place the plug into the marked well.
- (9) Continue with spot #2...

SERVA Electrophoresis GmbH

Carl-Benz-Str. 7 · D-69115 Heidelberg · Germany
Phone: +49 (0) 6221 13840-0 · Fax: +49 (0) 6221 13840-10
E-Mail: info@serva.de · Internet: www.serva.de