

## Clone Archiving

### FTA Technology in 96 Well Format For High Throughput Applications



#### Prepare BAC and Plasmid DNA with Amazing Ease

- Apply 5  $\mu$ L bacterial culture, resuspended colony or glycerol stock. Cells are lysed and plasmid or BAC DNA is stabilized for long-term storage or immediate processing
- Bacteriophages are inactivated
- DNA is easily accessible for downstream applications
- Store up to 96 samples on each card

#### Store Sample DNA for Years at Room Temperature

Plasmid DNA stored on CloneSaver Cards is stable at room temperature for at least 4 years...and counting.

#### DNA is Easily Accessible for Downstream Applications

##### Transformation

Plasmid DNA can be eluted or used directly on a punch to transform bacteria either by electroporation or heat-shock methods.

##### PCR

Immobilized plasmid DNA on a CloneSaver Card punch can be used directly in a PCR. The PCR products remain in solution, do not bind to the punch and are easily recoverable. Plasmid DNA can also be eluted for PCR or other studies.

##### Sequencing

Plasmid DNA eluted from a CloneSaver punch can be amplified by rolling circle amplification, such as Amersham Bioscience's TempliPhi™, and then sequenced without the need for culture re-growth and plasmid purification.

For information regarding automation options contact Whatman technical services.

#### CloneSaver™ Card in a 96 Well Format

Designed for the collection, long-term storage and purification of plasmid and BAC DNA from bacterial clones.



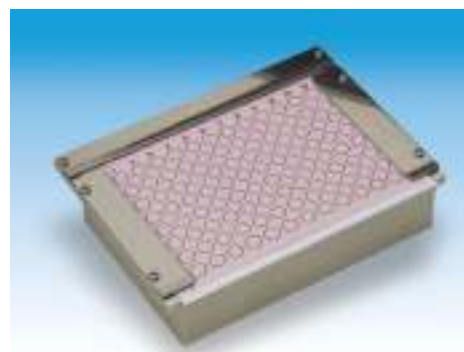
CloneSaver Card

#### CloneSaver™ Resealable Multi-Barrier Pouches

Same construction as FTA Multi-Barrier Pouches plus a zip-lock resealable closure for easy access to CloneSaver Cards.

#### SPOT CloneSaver/BloodSaver Holder

SPOT is a rigid frame that allows automated spotting to standard CloneSaver and BloodSaver cards. It keeps the card flat for uniform and precise spotting of your biological samples. A 96 well card is easily inserted into the SBS-compatible frame, which can then be placed onto a liquid-handling deck just like a multiwell plate. The SPOT holder is compatible with standard liquid handlers manufactured by companies such as Beckman Coulter and Tecan Instruments.



SPOT Holder

#### CloneSaver Starter Kit

Includes: 2 CloneSaver cards, 2 Uni-Core Punches (2 mm) with cutting mat and instructions.

## Ordering Information

Clone Archiving					
Catalog Number	Description	Cards/ Pack	Sample Areas/ Card	Maximum Volume/ Sample Area ( $\mu$ L)	Maximum Total Volume/Card ( $\mu$ L)
WB120052	CloneSaver Starter Kit	N/A	N/A	N/A	N/A
WB120028	CloneSaver Card	5	96 well format	5	480
WB100024	CloneSaver Resealable Multi-Barrier Pouch	50	N/A	N/A	N/A
WB100034	SPOT Holder for Semi-Automated Spotting	1	N/A	N/A	N/A