Shipping of plasmids on filter paper and their recovery

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Materials

· TE buffer (100 mM Tris-HCl pH 8.0, 10 mM EDTA pH 8.0)

· 1.5-ml micro centrifuge tube

Procedure

Preparation of plasmid-spotted filter paper

1. Mark a circled area with a pencil (not a marker pen) on a clean Whatman #1 filter paper or equivalent.
2. Spot about 2 µg of plasmid DNA into the circle.
3. Allow the filter paper dry at room temperature.
4. Insert spotted filter paper inside a poly bag and seal it by using a thermal poly sealer.

Recovery of plasmid from filter paper

1. Store clones (spotted on filter papers) at 4°C until you are ready to use them.
2. To recover the DNA, use clean gloves and cut the marked circle area that contains dried plasmid DNA.
3. Using clean forceps, insert the filter paper into a 1.5-ml micro centrifuge tube.
4. Add 100 µl of TE buffer to the micro centrifuge tube, vortex briefly and incubate at room temperature for 5 minutes.
5. Vortex again and Centrifuge the tube for a few seconds.
6. Remove about 10 µl of supernatant for transformation.
7. Store the remainder of the filter paper/TE mix at 4°C.