

DNA Spotting on Filter Paper

1. To begin with, cut out a 2cm square piece of clean Whatman 3MM paper and draw a circle on it with a diameter of ca. 5 mm with a pencil.
2. Label the circle as desired.
3. Spot 2 μL of DNA solution (your sample should be at a concentration of at least 100 ng/ μl) in the center of each circle. **500 ng of plasmid in 1 μl of 10 mM Tris, pH 7.6, is ideal.**
4. Leave spots to dry at room temperature for at least 20 minutes (optimal for 1 hour). Make sure the spots are protected from contamination by dust, dirt and aerosols.
5. Place the filter paper in a zip-lock bag or into sealable bags and heat sealed so that if the envelope gets wet, the plasmids being sent will not wash away or get contaminated.

Ref. Rosman GJ, Miller AD. Improved method for plasmid shipment. *Biotechniques*. 1990 May;8(5):509.