

Remotely Connected Electric Field Generator

for Particle Separation in a Fluid

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Dielectrophoresis (DEP)

Background

- 1 A dielectric particle in a non uniform electric field experiences a force
- 2 Different potential fields and frequencies has an effect on the net force
- 3 First studied in 1950s by Herbert Pohl
- 4 Recently revived due to the ability to manipulate micro-particles and cells.