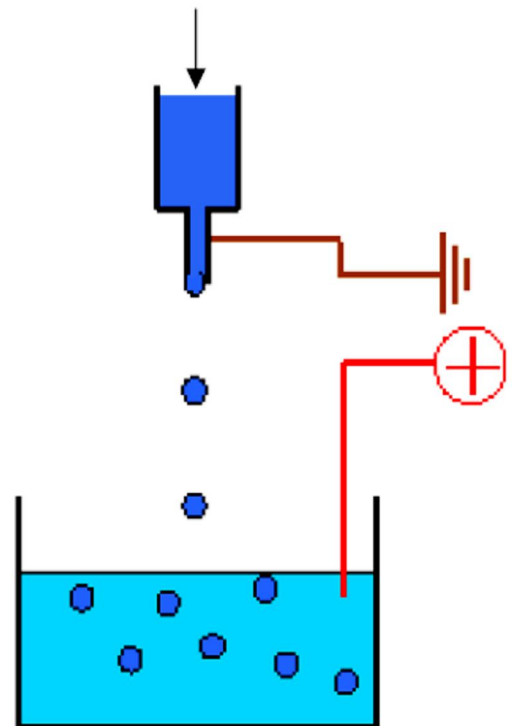


Principle of Electrostatically Assisted Spraying VAR V1

The voltage forces the droplets to fall off the needle tip before it has grown to the point where it falls off due to its own weight. The beads are formed when droplets fall into the solution.

The high voltage has been confirmed not to damage the encapsulated cells, proteins etc.



The method is based on using an electrostatic potential to pull droplets from a needle tip into a gelling bath. A voltage is applied between the needle feeding the alginate solution and an electroconductive solution underneath.