

Source: <http://www.ifgene.org/beginner.htm>

How is genetic engineering done?

## How to make a transgenic plant containing a herbicide resistance gene

Culture *Salmonella* bacteria in the presence of the herbicide and clone a resistant mutant strain that can tolerate the herbicide. Isolate the herbicide resistance gene from the *Salmonella* and splice it into a plasmid (a DNA ring separate from the chromosome) from *Agrobacterium* instead of the plasmid's plant tumour promoting gene.

