

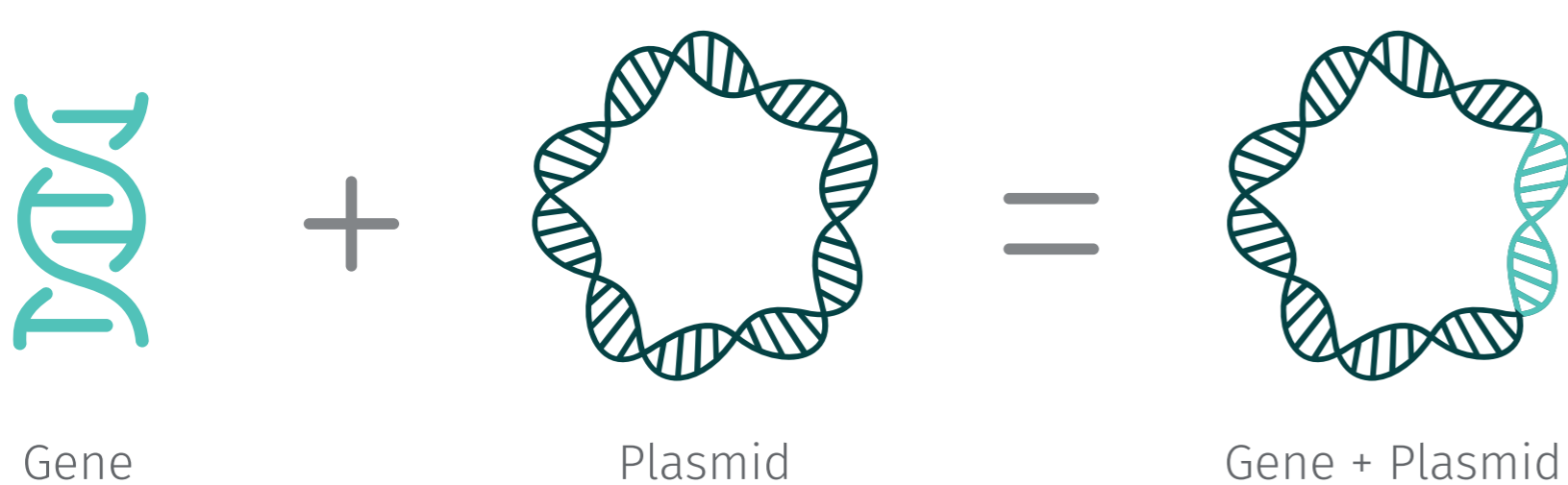
BestBac Simplifies Virus Vector Production

For technicians who depend on a reliable and straightforward process to meet deadlines, minimize costs and avoid the frustration of delays, Expression Systems' BestBac offers powerful advantages over the older and antiquated Bac-to-Bac technology.

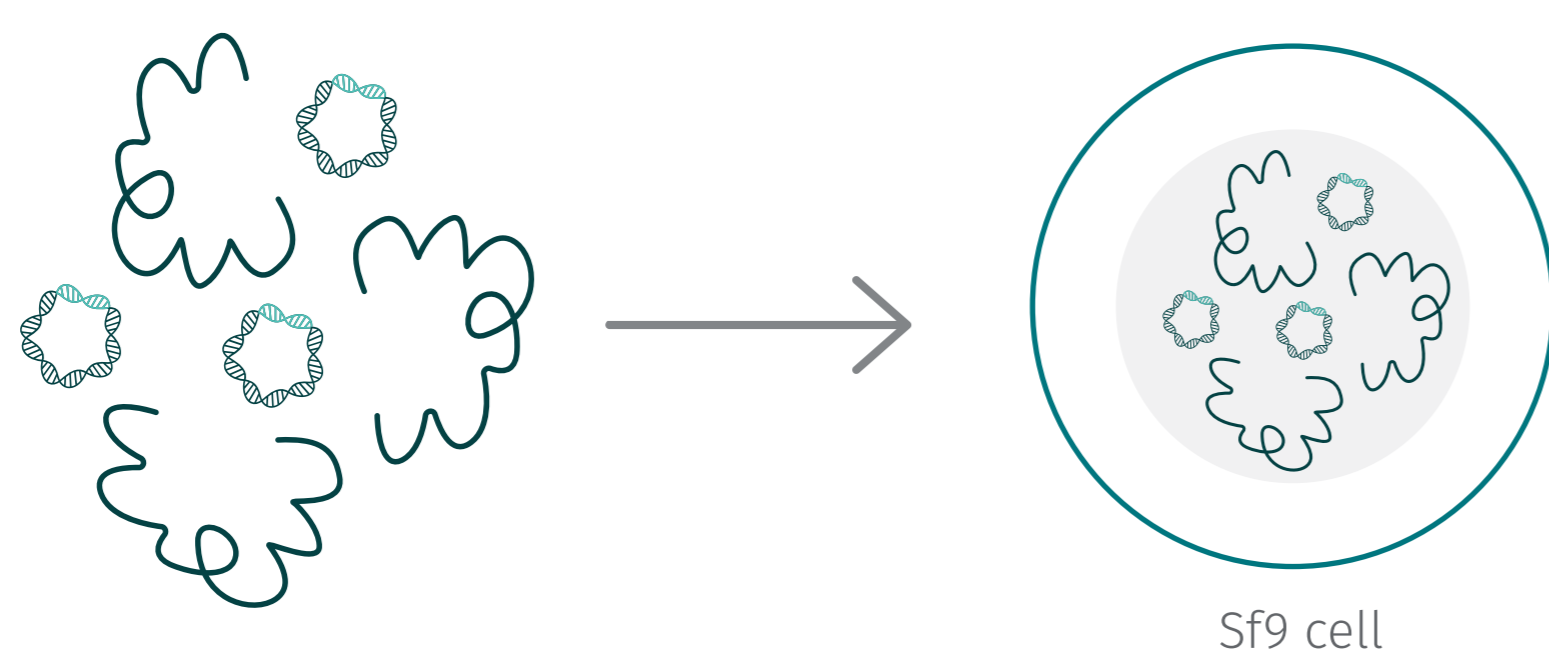
BestBac Virus Production

With **Expression Systems' BestBac**, unmatched productivity and stability takes just **three steps** with far less handling and roughly **five fewer** production days.

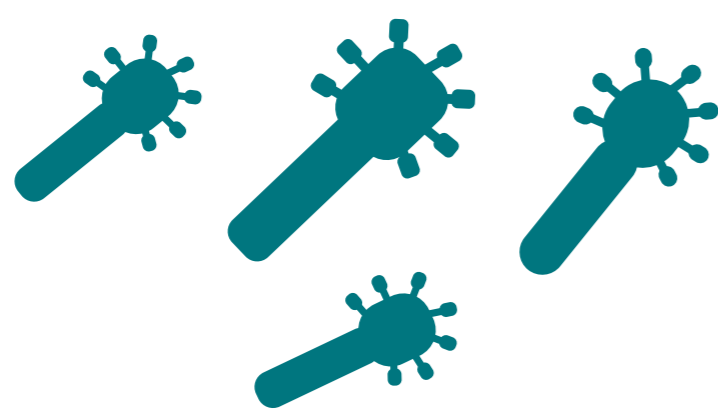
- 01** | Clone gene into transfer vector (e.g. pVL1393, BacPak)



- 02** | Co-transfect plasmid with BestBac DNA in Sf9 cells



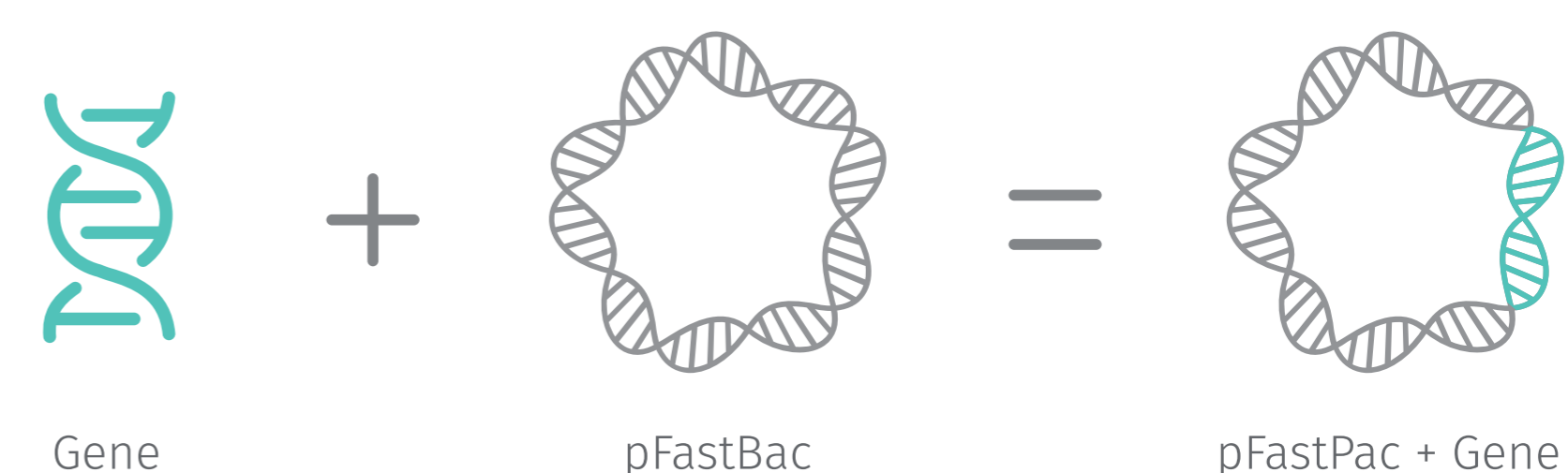
- 03** | Harvest P0 virus after 5 days



Life Technologies Bac-to-Bac Virus Production

Harvesting recombinant baculovirus with the Bac-to-Bac method requires seven steps, which is **time-consuming** and needlessly introduces points of **potential failure**.

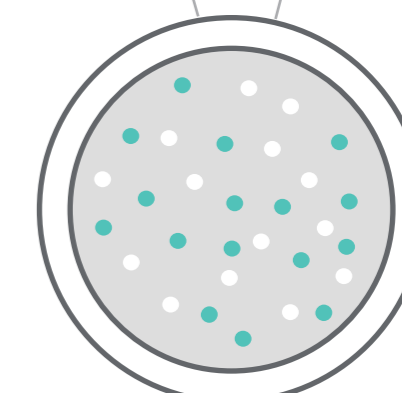
- 01** | Clone gene into pFastBac plasmid



- 02** | Transform pFastBac plasmid into DH10Bac E. coli (**two-day incubation**)



- 03** | Screen white colonies by PCR (**half-day process or 1-2 day process with restreaking**)



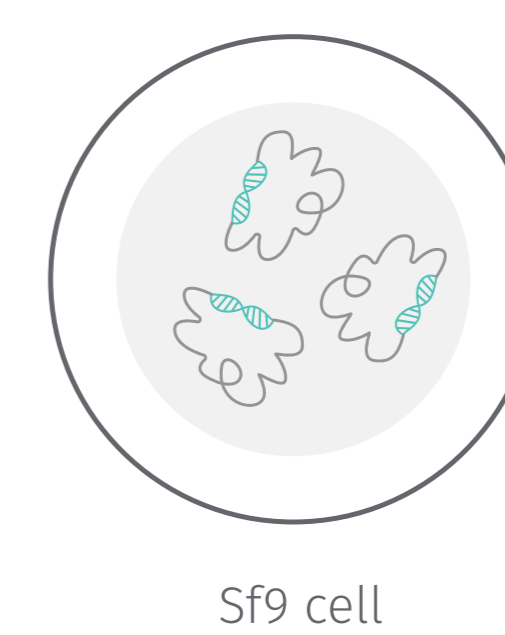
- 04** | Inoculate overnight culture followed by scale-up culture (**two-day process**)



- 05** | Purify Bacmid DNA (**half-day process**)



- 06** | Transfect Bacmid into Sf9 cells



- 07** | Harvest P0 virus after 5 days



The Benefits are Easy to See

Expression Systems' unique focus on the baculovirus expression platform helps professionals in academic, biotech and pharmaceutical fields around the world work at the highest level of consistency.

At every step in the process, Expression Systems helps best-in-class science achieve best-in-class results.