

Overcoming Equipment and Expertise Gaps in GFP Clonal Line Development

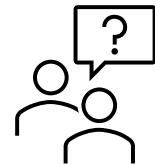
Challenge

The discovery group at a biotechnology company was working with heterogeneous cell pools created through cell line transfections. They needed clonal lines expressing varying levels of green fluorescent protein (GFP) but lacked the internal equipment and personnel to achieve this. Although they partnered with an academic institution that had the necessary equipment, the institution did not provide the technical support needed to operate the equipment, resulting in unsuccessful attempts, lost time, and wasted resources.

Details

The biotechnology company faced several critical challenges:

- Lack of internal equipment and personnel to generate GFP clonal lines.
- Inability to effectively use academic partner's equipment due to the absence of technical support.
- Loss of time and resources due to unsuccessful attempts at generating the desired clones.



Solution

To address these challenges, the company turned to ABS, who provided:

- Expertise in cell line development and clonal selection.
- Advanced equipment and trained personnel to generate clonal lines.
- Verified results confirming clonality and GFP expression levels.



Benefits

Partnering with ABS resulted in several positive outcomes for the biotechnology company:

- Successful generation of GFP clonal lines in a short time period.
- Verified results confirming the clonality and GFP expression of the generated lines.
- Efficient use of resources and time, allowing the discovery group to focus on other critical research activities.



Through its partnership with ABS, the biotechnology company was able to efficiently generate the desired GFP clonal lines, ensuring verified results and saving valuable time and resources. This case study highlights the value of expert collaboration in achieving research goals and advancing scientific discovery.