

Meet the challenge of complex protein expression with GS piggyBac™

Biologic pipelines are evolving from standard antibody formats to next-generation biologics. GS piggyBac™, a unique and versatile cell line engineering technology, helps address the need for robust and scalable expression platforms that can keep pace with this shift towards more complex protein formats.

piggyBac™

1983:

Barbara McClintock receives Nobel Prize for discovering transposition

1997:

First synthetic transposase and transposon system available

2006:

piggyBac™, shown to be highly flexible and active compared to other transposon based technologies in mammalian cells

2016-2018:

Several published studies highlight the benefits of CHO and piggyBac™ technologies in supporting complex protein expression

2018:

Lonza acquires exclusive rights to piggyBac™ for bioprocessing applications

GS System®

1992:

Lonza GS System® launched

2003:

Launch of CHOK1SV® cell line

2006:

pConPlus vectors for mAbs introduced

2012:

GS Xceed® launched

2017:

GS Xceed® site-specific conjugation vectors launched

2018:

GS Xceed® Multigene vectors added to the GS Toolbox

2019:

GS piggyBac™ launched



GS piggyBac™ delivers large DNA cargos to stable sites in the host cell genome

Combining the GS System® with piggyBac™ results in increased yields for challenging proteins