BESTcell

STABLE CELL LINES **IN 3 WEEKS**

100MG TO GRAMS OF HIGH QUALITY ANTIBODIES

Why choose BESTcell?

IVD manufacturers

Clean up your IVD reagent performance

Do you use a purchased hybridoma expressed antibody for IVD development? 30% of hybridoma derived antibodies have been shown not to be monoclonal[1], which can interfere with IVD assay performance. We can reproduce your antibody starting from just 200µg antibody material and provide you with a clonal source of your reagent.

Eliminate batch-to-batch variability

Our BESTcell lines are clonal, and typically express at 1-5g/L, so we can express large amounts of your antibody in low volumes, eliminating the need for multiple batches and inevitable batch-to-batch variability. Alternatively, we can provide the BESTcell lines to you to use culture in your facility.

No more reliance on low expressing hybridomas

Hybridomas routinely used for IVD reagent expression are typically low expressing and require high volume culture to achieve adequate expression. With our antibody production services, we will convert your hybridoma into a high expressing CHO BESTcell to improve your production efficiency.

BioPharma

Alternative to transient transfection

The BESTcell technology allows us to economically generate stable cell clones in 3 weeks. It allows you to generate stable cell lines early on in the research process to test multiple proteins, give you access to unlimited expressed material

Seamless upgrade to GMP manufacture

We operate under ISO9001:2015 with fully documented CHO cell lines. On request we can generate Research Cell Banks that can be upgraded to Master Cell Bank with our partners, rapidly reducing your timelines to IND. Clinical trials are currently underway with cGMP material expressed from BESTcell CHO lines[2]

[1] Bradbury *et al.*, J Mabs (2018) 10, 539-546
[2] TAL CDMO partner data

BESTcell is a proprietary cell line development and screening technology based on open chromatin locus, developed by The Antibody Lab GmbH

BESTcell
contact@bestcellmabs.com

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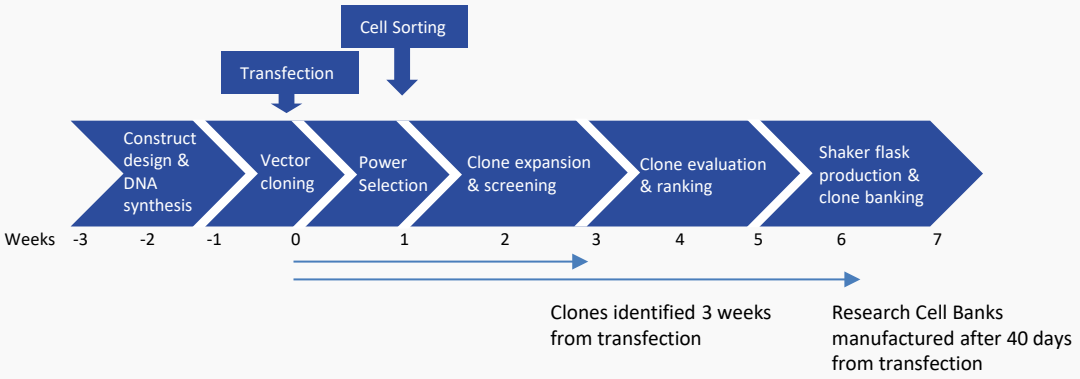
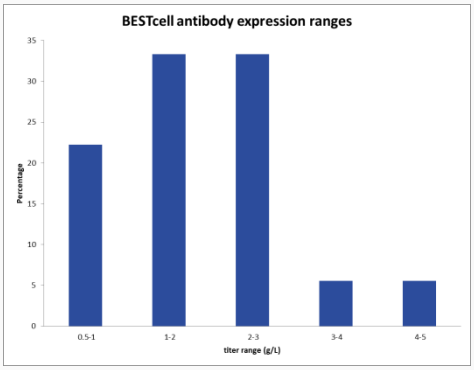
Stable clones in 3 weeks, RCB manufactured after 40 days



High yields are obtained before process optimisation

TAL has successfully generated > 50 high yield BESTcell lines expressing fully functional mAbs and other proteins in CHO-K1 cell lines. Ranges of expression are seen up to 4-5g/L at the small scale (30ml in shaker flasks).

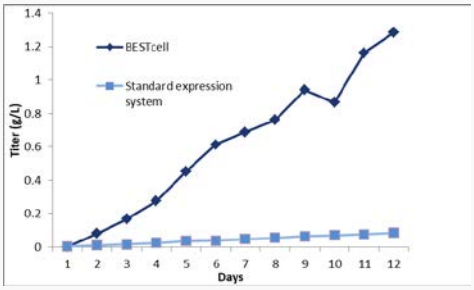
Scale up to 100L bioreactors and process development for GMP[2] production has resulted in **5-6g/L mAb production**



BESTcell can boost expression of difficult to express proteins

Due to the integration of multiple copies of a target gene, BESTcell can be used for 'difficult-to-express' proteins to boost expression.

Here antibody PG9 expression using a standard plasmid expression system in CHO was compared to the same antibody expressed using BESTcell. A **15-fold increase** in expression of the antibody was demonstrated using our system.



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