

Scarab Genomics Introduces ScarabXpress® T7lac, a unique *E. coli* expression strain

ScarabXpress is the latest strain in the multiple-deletion series (MDS) of Clean Genome® *E. coli*. Based on the MDS™42 strain, ScarabXpress T7lac contains a chromosomal copy of the T7 RNA Polymerase gene expressed from a unique, tightly controlled lac promoter. MDS™42 is a K12 strain with a 15% genome reduction to remove non-essential genes, sequences for recombinogenic and mobile DNA, and cryptic virulence genes, while preserving robust growth and protein production. Genome reduction optimizes the Clean Genome *E. coli* as a biological factory, providing enhanced genetic stability and improved metabolic efficiency, and making it the strain of choice for applications ranging from routine cloning to production of therapeutic biological material.

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