

MICROBIAL CULTURES: TRANSMAX COMPETENT CELLS



TransMax™ Competent Cells

Recommended for Blue/White screening and standard cloning applications.



TransMax competent cells are produced according to rigorous quality control standards to ensure dependable performance and lot-to-lot consistency. Transformations are performed, at least in triplicate, to verify efficiency specifications using pUC19 plasmid DNA.

- recA1 and endA1 markers minimize recombination and improve plasmid quality and yield
- Superior quality and consistency; equivalent to widely used host cells such as DH5α and DH10B
- Offered in a wide range of efficiencies (10^7 to 10^{10}) and formats (both tubes and 96-well plates)
- 96-well plates are ideal for high throughput cloning applications
- Both electrotransformable and chemically competent cells are available

Applications

- Recommended for Blue/White screening and standard cloning applications, cloning PCR† fragments, complex ligations, in vitro mutagenesis, producing single-stranded DNA, cDNA and genomic library construction.

Storage Conditions

- Stable for two years

† The Polymerase Chain Reaction (PCR) process is covered by foreign counterparts of U.S. Patents 4,683,202; 4,683,195; and 4,965,188 owned by F. Hoffmann-La Roche Ltd.

	FB5α	FB5αF	FB10B	eFB10B
Chemically Competent	Y	Y	Y	N
Electro-Competent	N	N	N	Y
Blue/White Screening	Y	Y	Y	Y
Recombination Deficient	Y	Y	Y	Y
Endonuclease Deficient	Y	Y	Y	Y
Methyl Restriction Deficient	N	N	Y	Y
Single Strand Ability	N	Y	N	N
Tetracycline Resistant	N	Y	N	N
Lac Promoter Control	N	Y	N	N

Description	Efficiency	Quantity	Cat. No.
Electrotransformable Cells			
Recommended for cDNA or Genomic Library Construction using Electroporation			
eFB10B	1×10^{10}	5 x 0.1mL	BP4100-1
Chemically Competent Cells			
Ideal for Genomic and cDNA Library Construction using Heat-shock Transformation			
FB5α	1×10^9	5 x 0.2mL	BP4000-1
FB10B	1×10^9	5 x 0.2mL	BP4005-1
Great for Routine Cloning			
FB5α	1×10^9	10 x 0.05mL	BP4000-2
FB5α	1×10^9	20 x 0.05mL	BP4000-3
FB5α	1×10^9	50 x 0.05mL	BP4000-4
FB10B	1×10^9	20 x 0.05mL	BP4005-3
Best Choice for Preparing Single-stranded DNA, PhageDisplay, Kunkel Mutagenesis			
FB5αF	1×10^9	5 x 0.2mL	BP4003-1
Excellent for High-throughput Transformation			
96-well FB5α	1×10^8	96 x 0.02mL	BP4001-96 (Available as special order)
96-well FB10B	1×10^8	96 x 0.02mL	BP4006-96 (Available as special order)
Provide Superior Economy and Convenience			
FB5α	1×10^7	4 x 0.5mL	BP4002-1

MICROBIAL CULTURES: CHROMOMAX IPTG/X-GAL SOLUTION, ANTIBIOTICS



Accelerate your blue/white colony screening with ChromoMax™ IPTG/X-Gal Solution from Fisher BioReagents

Convenience: Premixed IPTG/X-Gal Solution

Time Saving: No weighing or dissolving

Safety: No DMSO or DMF required

Stability: Stable for three years

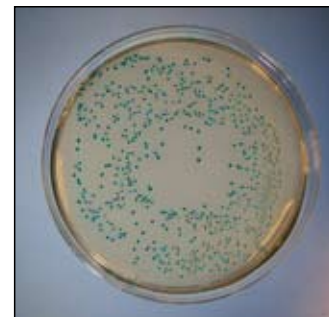
Cost Effective: Saves precious time

Economical: Saves money

Quality: Dependable results

Ready-to-apply **ChromoMax** IPTG/X-Gal solution is a proprietary formulation that allows you to skip the cumbersome preparation process that traditionally requires tedious weighing and dissolving of fine powder in toxic solvent such as DMSO or DMF. Our new ChromoMax formulation can safely be handled outside of a fume hood. Even when stored at -20°C, ChromoMax solution does not freeze, allowing for immediate use without thawing. Unlike traditionally prepared X-Gal solution, ChromoMax is stable for three years when properly stored at -20°C. It dries quickly on the plate, further accelerating the screening protocol. ChromoMax Solution provides fast color development and does not require additional 4°C incubation to enhance color.

The 50mL volume is conveniently packaged in five 10mL bottles, preventing accidental contamination of large volume stock.



Description	Size	No. of Applications	Catalog No.
ChromoMax IPTG/ X-Gal Solution	1mL	~10 plates	BP4200-1
	10mL	~100 plates	BP4200-10
	5 x 10mL	~500 plates	BP4200-50

ChromoMax IPTG/X-Gal Solution is suitable for use with all commercially available competent cells that utilize lacZ blue/white screening. In our laboratories the new formulation was used for screening of transformed **TransMax™** Competent Cells, resulting in clearly differentiated blue and white colonies.

Antibiotics	Size	Catalog No.
Ampicillin Sodium Salt	5g	BP1760-5
	25g	BP1760-25
Ampicillin Trihydrate	25g	BP902-25
Blasticidin S Hydrochloride	25mg	BP2647-25
	50mg	BP2647-50
	100mg	BP2647-100
Chloramphenicol	100g	BP904-100
Doxorubicin Hydrochloride	10mg	BP2516-10
	50mg	BP2516-50
G418 Sulfate	1g	BP673-1
	5g	BP673-5
Gentamycin Sulfate	1g	BP918-1
Kanamycin Sulfate	5g	BP906-5
Mitomycin C	2mg	BP2531-2
	10mg	BP2531-10
Streptomycin Sulfate	50g	BP910-50
Tetracycline Hydrochloride	100g	BP912-100