PEI TRANSFECTION REAGENTS for Antibody & Viral Vector Production

Manufactured under an ISO 13485 Quality Management System.
**MAXgene™ GMP**

Our premier GMP grade transfection PEI for accelerated clinical therapies.

MAXgene™ GMP (cat# 26406) is a cGMP transfection reagent solution for the development and manufacturing of viral vectors for cell- and gene-based therapies. It is an ideal reagent for the manufacture of clinical grade AAVs, LVs and recombinant proteins. MAXgene GMP capitalizes on the efficiency and scalability of Polysciences’ research grade (PEI MAX or Transporter 5™) while adding the validation process and regulatory components necessary for its use as a raw material in clinical trials and commercial manufacturing. Our stringent formulation, manufacturing, and QC processes ensures each batch meets established specifications for identity, potency, purity, traceability, and safety.

With MAXgene GMP, Transporter 5, and PEI MAX, Polysciences offers a complete range of products (solid and liquid forms) for use through all phases of bioprocessing.

**HIGHLIGHTS**

- Clinical trials and commercialization
- High transfection efficiency
- cGMP solution manufactured under ISO 13485 Quality Management System
- Validated manufacturing processes
- Fully synthetic, animal-origin-free
- Cost-effective
- Reproducible, scalable, versatile

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**NEW - MAXgene GMP powder (cat# 26435 available in 1, 10 and 50g sizes)**

Suspension HEK-293T cells were seeded at a density of 1 x 10⁶ cells/mL and transfected with three different lots of MAXgene GMP. Cell proliferation was measured 24hr, 48hr and 144hrs post-transfection by a VICELL® XR counter.
Bioprocess Manufacturing Scale-up Sequence

**TRANSPORTER 5™**

*Non-GMP, Research Grade Solution*

Transporter 5™ (cat# 26008) is a non-GMP, research grade ready-to-use solution for initial process development and scale-up prior to GMP validation and production batches. As every transfection is a major investment, we have formulated Transporter 5 to offer reliable performance in any process across expression systems.

**PEI MAX**

*Linear Polyethylenimine Hydrochloride (MW 40,000), Non GMP, Research Grade Solid*

PEI MAX 40K (cat# 24765) is a non-GMP research grade solid transfection reagent popular for academic and early stage research.

Combined with appropriate quality controls, as well as lot-to-lot release testing for MAXgene, Transporter 5 and PEI MAX, our PEI-based transfection reagents can support academics and biopharmaceutical companies from the initial small-scale process development phase to large-scale clinical virus manufacturing.

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**HIGHLIGHTS**

- Non-GMP, research grade solution
- For pre-cGMP pilot studies
- Provides seamless transition to MAXgene™ for cGMP batches
- High transfection efficiency
- Predictable and scalable performance
- Used for process development, pre-clinical and early phase clinical trials

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**PERFORMANCE IN CHO CELLS**


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**PERFORMANCE IN HEK CELLS**

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