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MITSUBISHI GAS CHEMICAL COMPANY, INC.

OXYCAPT™ Multilayer Plastic Vials Adopted at the European Site of a Global CDMO

Mitsubishi Gas Chemical Company, Inc. (MGC; Head Office: Chiyoda-ku, Tokyo; President: Yoshinori Isahaya) is pleased to announce that OXYCAPT™, an innovative multilayer plastic vial developed by MGC, has been adopted at the Milan, Italy site of AGC Biologics[*1], a global pharmaceutical contract development and manufacturing organization (CDMO) headquartered in the United States, as a container for its lentiviral vectors (LVVs).

OXYCAPT™ is a multilayer plastic vial that offers excellent gas, water vapor and UV barrier properties and resistance to breakage. These properties make it a promising alternative to glass containers for biologics, gene therapy products, cell therapy products, LVVs and adeno-associated virus (AAVs) stored frozen at ultra-low temperatures such as below -60°C or -130°C.

LVVs function as carriers that deliver desired genes into target cells and are utilized in therapies such as CAR-T cell therapy[*2] and gene therapy. LVVs are highly sensitive to temperature changes, requiring storage at -60°C or below. Furthermore, because dry ice is used during transportation, containers must exhibit both high resistance to breakage and excellent barrier properties against carbon dioxide released from dry ice at low temperatures. OXYCAPT™, which offers these properties, has now been adopted at AGC Biologics' Milan, Italy site.

MGC will continue to identify challenges in the medical field and provide innovative solutions to advance healthcare and contribute to the well-being of patients.



OXYCAPT™

*1 AGC Biologics: https://www.agcbio.com/facilities/milan-cell-and-gene-cdmo-services

*2 About CAR-T Cell Therapy: CAR-T cell therapy is a type of cellular immunotherapy in which patient's T cells are genetically modified to enhance their ability to attack cancer cells and then reintroduced into the patient's body.

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INQUIRIES

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