

June 24, 2024

Zeon announces the market release of a new cell culture microplate with superior quality stability and convenience, contributing to accelerating drug discovery and development

Zeon Corporation

Zeon Corporation (Zeon; head office: Chiyoda-ku, Tokyo; President and CEO: Tetsuya Toyoshima) has succeeded in developing a new microplate for culturing cells that uses Zeon's proprietary cyclo olefin polymers (COPs; product names: ZEONEX® and ZEONOR®) and a proprietary coating material. The new product will be released in July 2024 as an addition to the lineup offered by Aurora Microplates, an American business acquired by Zeon in 2022.

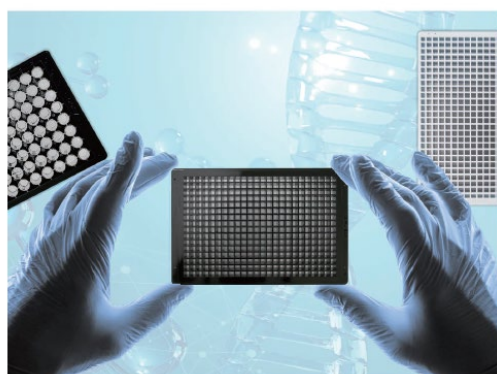
COPs, well known for their unique properties such as low autofluorescence, high light transmittance, low biomolecules adsorption, and low impurities, are already widely used in lab equipment associated with biochemical analysis, including containers for biologics, analytical devices, and microplates. The newly developed cell culture microplate will deliver these outstanding properties along with excellent quality stability and convenience.

The new product will be introduced at the upcoming pharmaceutical research and development exhibition PharmaLab EXPO Tokyo, to be held at the Tokyo Big Sight during INTERPHEX WEEK Tokyo from June 26 to 28.

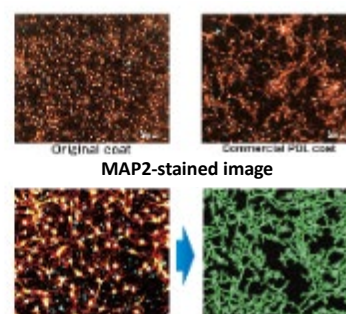
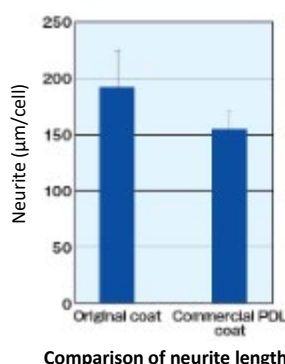
○ New Product: Cell Culture Microplate with Proprietary Coating

Advantages

- (1) Quality stability: Minimal lot-to-lot variation, with uniform surface condition maintained by application of proprietary coating material
- (2) Excellent shelf life: Can be stored at room temperature for up to one year
- (3) Improved convenience: Can be used immediately with little or no need for any coating



Tends to elongate neurites further than PDL coating

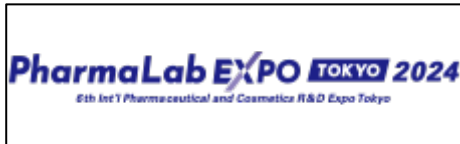


Analysis method

MAP2-stained cells were photographed with an image cytometer and quantified using analytical software

Zeon has identified healthcare and life sciences as key areas for new business exploration under its STAGE 30 Medium-Term Business Plan, which lays out the Group's goals for 2030. The company is working to expand applications related to these area for COP, including collaboration with Aurora Microplates. The launch of the new product is intended to fully demonstrate COP's excellent properties while also accelerating the pace of drug discovery and development by adding new functions that are not available in other products.

Outline of exhibit



Dates: Wednesday, June 26–Friday, June 28, 2024
Location: Tokyo Big Sight, East Hall 7 (Booth 52-12)
Click on the banner to access the official website.
Zeon will exhibit other products in addition to the new one.



Dates: Wednesday, June 26–Thursday, June 27, 2024
Location: Congress Center Basel Hall 4.1 (Booth 76)
Click on the banner to access the official website.
Zeon will exhibit other products in addition to the new one.

About microplates offered by Aurora Microplates

Aurora Microplates provides high-performance and high-precision microplates made of COP, featuring superior properties compared to conventional microplates, such as optimal clarity, thermal stability, biocompatibility, low auto-fluorescence, flatness, and chemical resistance.

Characteristics of Aurora Microplates

- ✓ Optimal clarity
- ✓ Low auto-fluorescence
- ✓ Extreme flatness of plate and well surfaces



- Sharper images
- Reduced recording time

In keeping with its name, derived from the Greek words “geo” (Earth) and “eon” (eternity), Zeon will contribute to environmental sustainability along with safe and comfortable living by providing innovative technologies, products, and services.

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[Contact form](#)