



PRESS RELEASE

MilliporeSigma Launches BioContinuum™ Buffer Delivery Platform at INTERPHEX 2019 incorporating YMC Process Technologies' system technology.

- Buffer dilution system developed by YMC and supplied exclusively to MilliporeSigma enables precision buffer dilution
- BioContinuum™ Buffer Delivery Platform is first integrated solution for streamlined buffer management

Devens, MA USA; 2 April, 2019

[MilliporeSigma](#) unveils its new BioContinuum™ Buffer Delivery Platform, a new building block in its BioContinuum™ Platform for next-generation bioprocessing, at INTERPHEX in New York City. The BioContinuum™ Buffer Delivery Platform is an integrated solution for more efficient buffer delivery. The offering is comprised of four components; a buffer dilution system, buffer concentrates, single-use assemblies and services. The buffer dilution system is designed, automated and manufactured by [YMC's Process Technologies Group](#).

The buffer dilution system, developed by YMC Process Technologies (YPT) and supplied exclusively to MilliporeSigma is based on a proven YPT platform, offers the highest accuracy available for dilution of highly concentrated buffer. Through this partnership with YMC, MilliporeSigma is the only supplier providing such an integrated buffer delivery offering. This helps drug manufacturers to enable a streamlined buffer suite and increased manufacturing efficiency utilizing a fraction of resources and facility space.

“This YMC - MilliporeSigma partnership was formed to enable bioprocessing customers access to a complete buffer solution that was made possible by integrating the best-in-class offerings from both parties.” Says Gerard Gach, CMO of YMC Process Technologies *“YMC has the premier dilution system but lacked the ability to fully exploit the technology and create a comprehensive buffer solution with consumables and services. With MilliporeSigma our technology platform has a product and support channel that is unmatched in reach. YMC Process Technologies was*

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selected by MilliporeSigma based on our proven design and success in the market. YMC committed exclusivity to MilliporeSigma based on their leadership in buffers, single use assemblies and tailored system services.”

Through close commercial alignment the parties will respond to customer demands for either standard BioContinuum™ buffer dilution units or customized buffer dilution systems by YMC from flows of 0.12 LPM to in excess of 33 LPM with an industry-leading turn-down (dilution) range.

YMC Process Technologies' staff joins MilliporeSigma experts at booth #2841, April 2-4 at the Javits Center in New York City to discuss the buffer dilution technologies, applications and services that they are delivering to help biomanufacturers bring therapies to market faster and more cost-effectively than ever before.

-ENDS-

About YMC Ltd.



YMC is a private Life Science company headquartered in Kyoto, Japan. Founded in 1980, company has over 9 affiliates and facilities throughout Asia, Europe and America. The over 400 employees are providing best-in-class lab and process solutions to the pharmaceutical industry. YMC focus is in the innovation, production and sales of packing materials, packed columns and systems for High Performance Liquid Chromatography (HPLC), Low Pressure Liquid Chromatography (LPLC) and custom purification and custom synthesis. YMC has recently opened CMO facility and pilot plant incorporating state of the art simulated moving bed (SMB) purification. YMC Process Technologies (YPT), Devens, MA USA (formerly LEWA-Nikkiso Bioprocess Systems' Group) has supplied GMP scale downstream process system for nearly 20 years. Acquired by YMC in December 2018, YPT Bio/Pharma Systems Group is a leading supplier of production scale single and multi-column chromatography systems. YMC's intellectual assets and know-how cultivated from many years of experience, will continue to push the limits to create a prosperous future for the purification and discovery of small and large molecule therapies. More at: <http://www.ymc.co.jp/en/>

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