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Esco, Konkuk University cooperate on pigs vaccine in Asia

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This research will focus on the development and manufacturing of viral vaccines against swine foot-and-mouth disease (FMD) and porcine reproductive and respiratory syndrome (PPRS).



Singapore – Esco Aster, a leading independent contract development and manufacturing organization with its patent Tide Motion bioreactor technology, has signed a collaborative research agreement with the Konkuk University, Seoul. This research will focus on the development and manufacturing of viral vaccines against swine foot-and-mouth disease (FMD) and porcine reproductive and respiratory syndrome (PPRS).

Under the terms of the agreement, Esco Aster will support a research project led by Dr. Lee Joong Bok, College of Veterinary Medicine, Konkuk University, Seoul, Korea. The purpose of the project is to culture AdenoX-293 and MARC-145 cells, using a packed bed bench-top bioreactor to create processes for large-scale viral vaccine manufacturing with minimum resource load.

“We are happy to announce our new partnership with Esco Aster and our expanded relationship together. This collaboration will be the world's first research project on the mass culture of PRRS and FMD vaccines using the Tide Motion system. We sincerely hope that our research can contribute towards the eradication of these diseases that cause serious economic damages.”