

 **Fraunhofer**
IPA

Fraunhofer-Institut für Produktions-
technik und Automatisierung IPA

USE CASE

Automation of a cell cultivation process

Dorothea Küttner – ASCon Systems

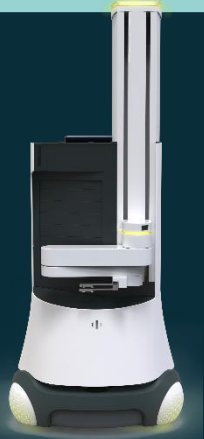
ASCon Systems 
The Digital Twin Company

Use Case - Set Up

Automation of a cell cultivation process



IPA - KEVIN



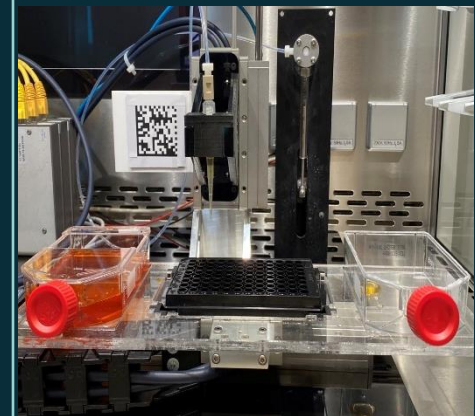
LiCONic StoreX



BioTek-Cytation5

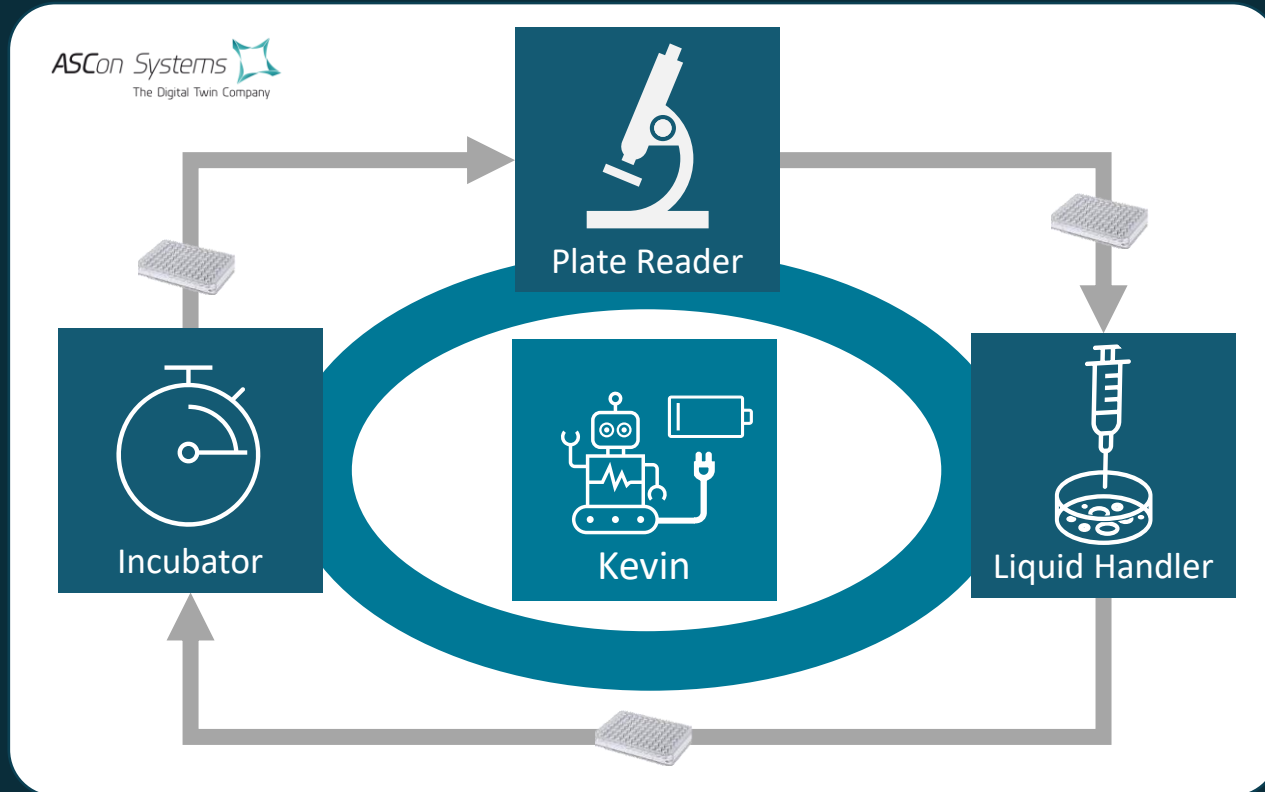


LINAX – Axis
Cavro Centris Pump



Use Case - Automation of a cell cultivation process

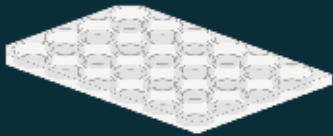
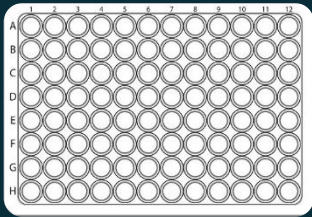
Orchestrated and controlled by ASCon Systems Digital Twin



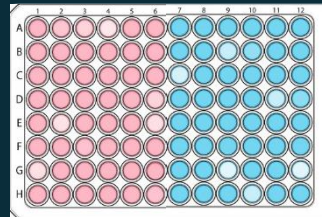
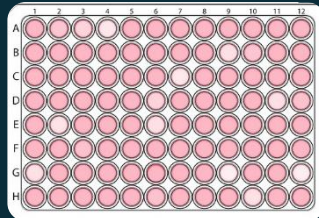
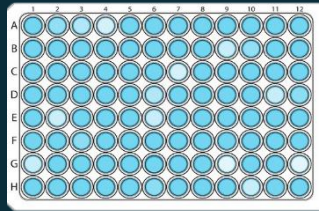
Automation of a cell cultivation process

High degree of product variance drives diverse process requirements

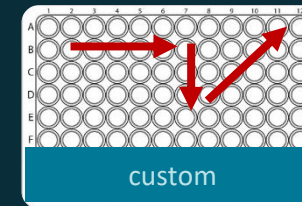
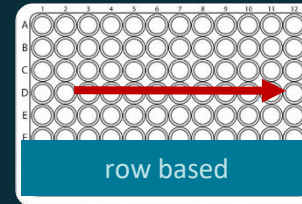
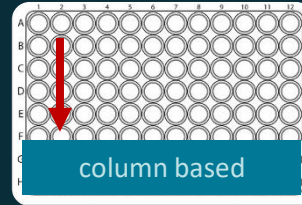
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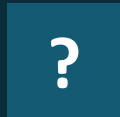
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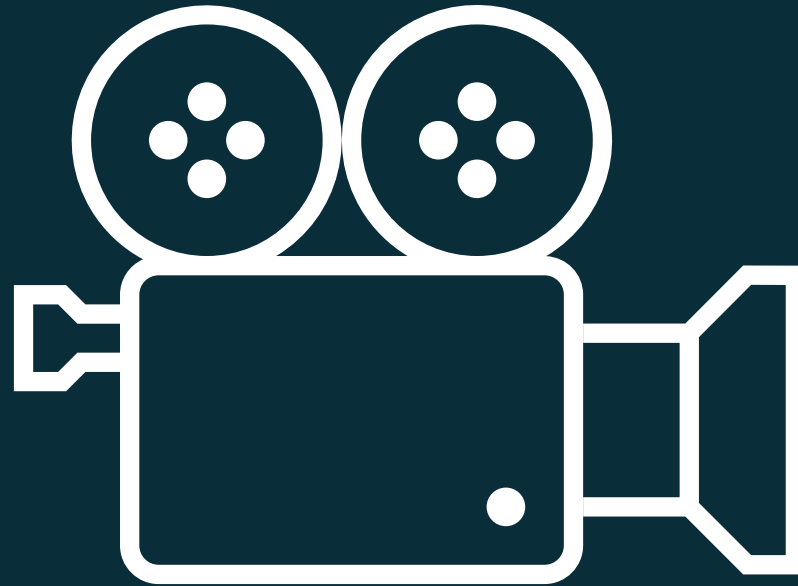


Procedure



Process Plan

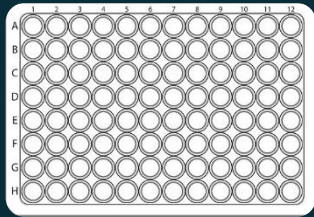




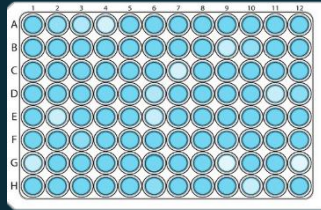
Automation of a cell cultivation process

High degree of product variance drive s diverse process requirements

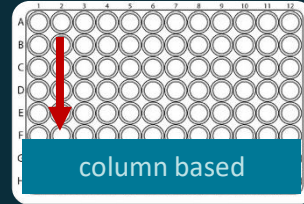
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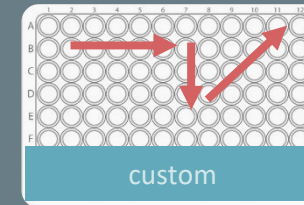
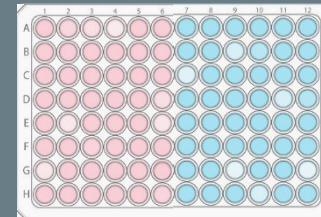
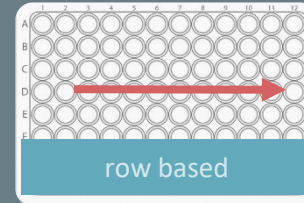
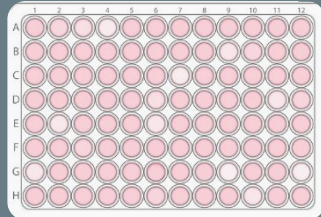
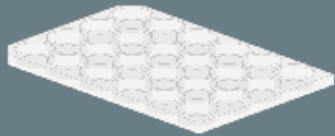
Content



Procedure



Process Plan



Disruptive technology from Germany

ASCon Systems 
The Digital Twin Company

Automation of a cell cultivation process

ASCon Systems GmbH
The Digital Twin Company

www.ascon-systems.de