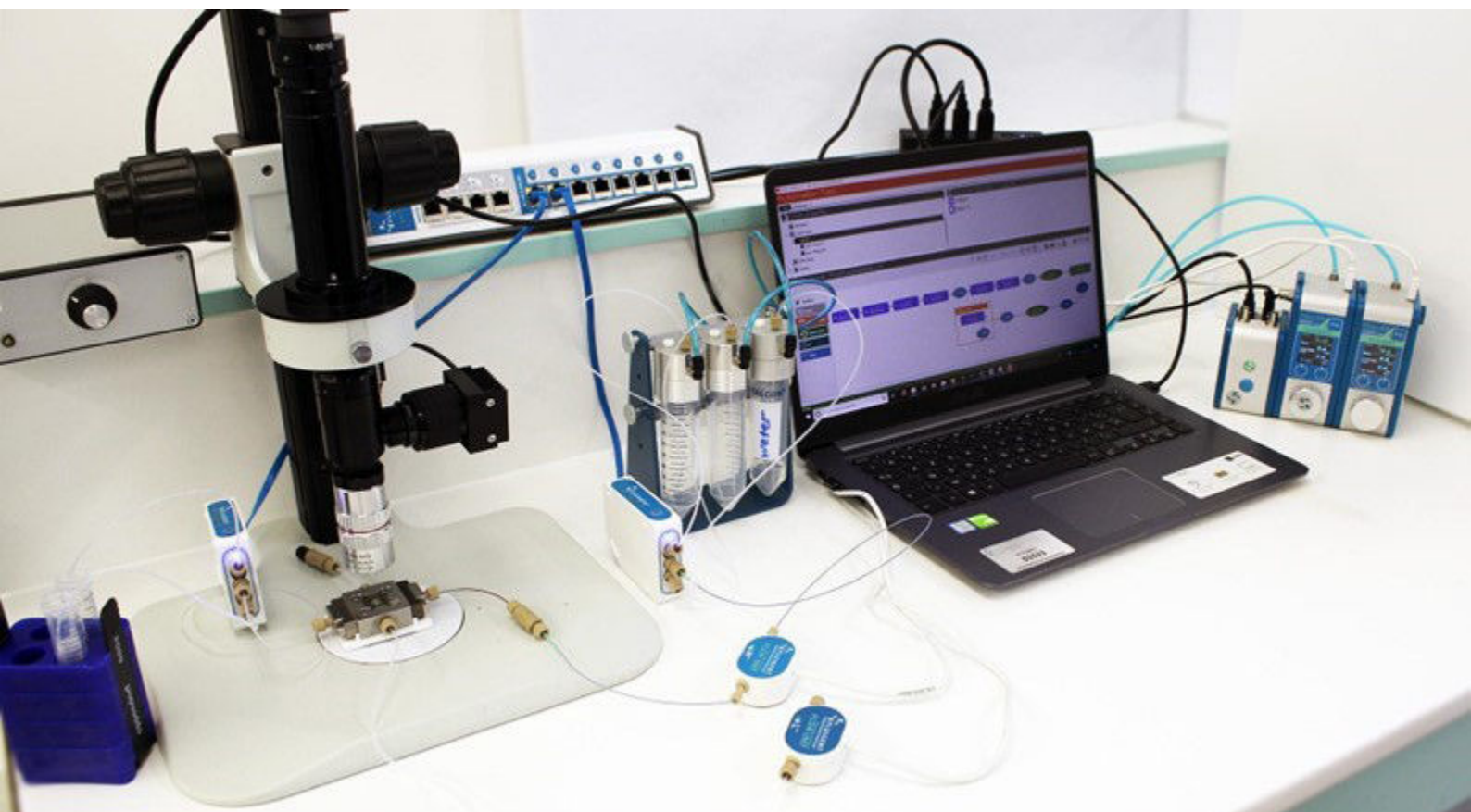


ALGINATE BEADS PRODUCTION STATION

PRODUCT DESCRIPTION

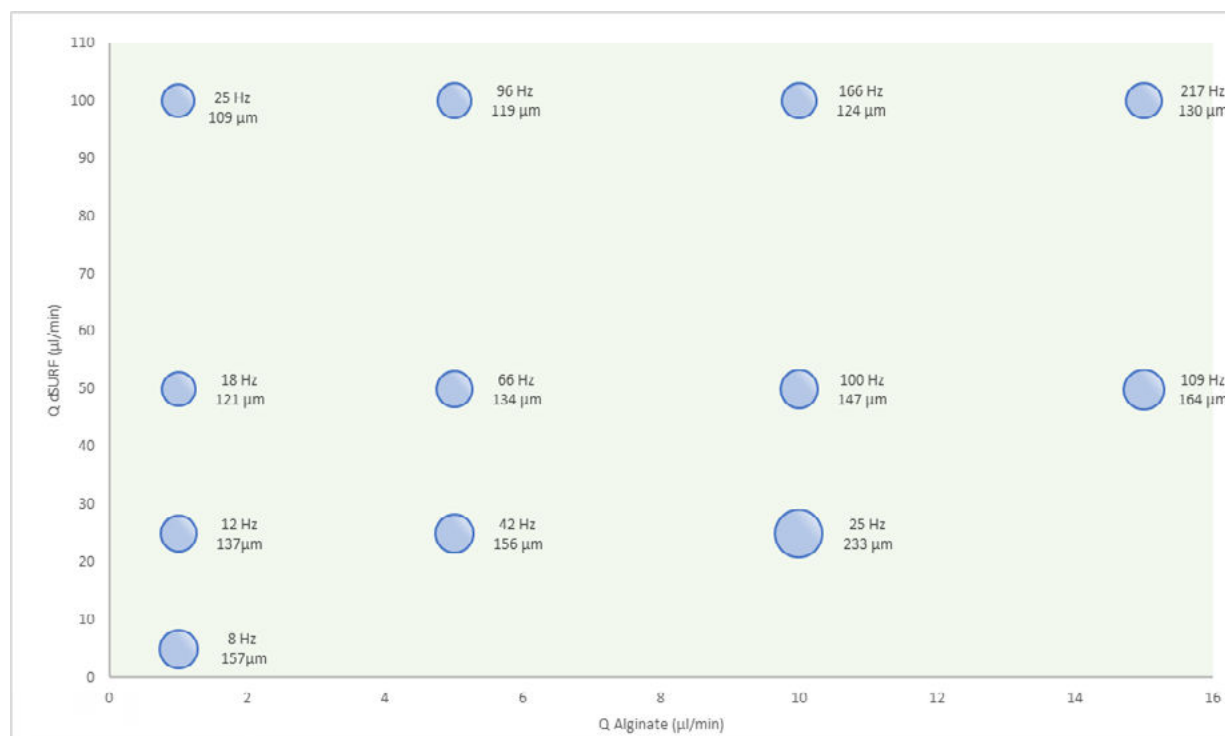
P/N: O-SE-ALG-PCK



DESCRIPTION

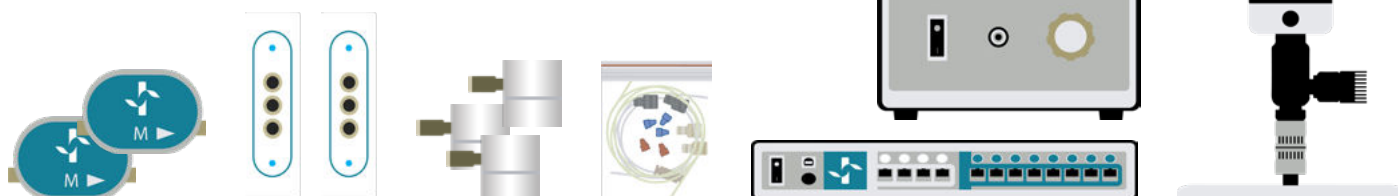
The Fluigent Alginate beads production station is a robust and a complete system for producing outstanding monodispersed Alginates beads with flexibility in changing particle sizes production in hundreds of milliseconds without interrupting the production. Its performance is coming from the combination of Fluigent's LineUP microfluidic pumps and the RayDrop device, a breakthrough technology for high-quality particles and beads production.

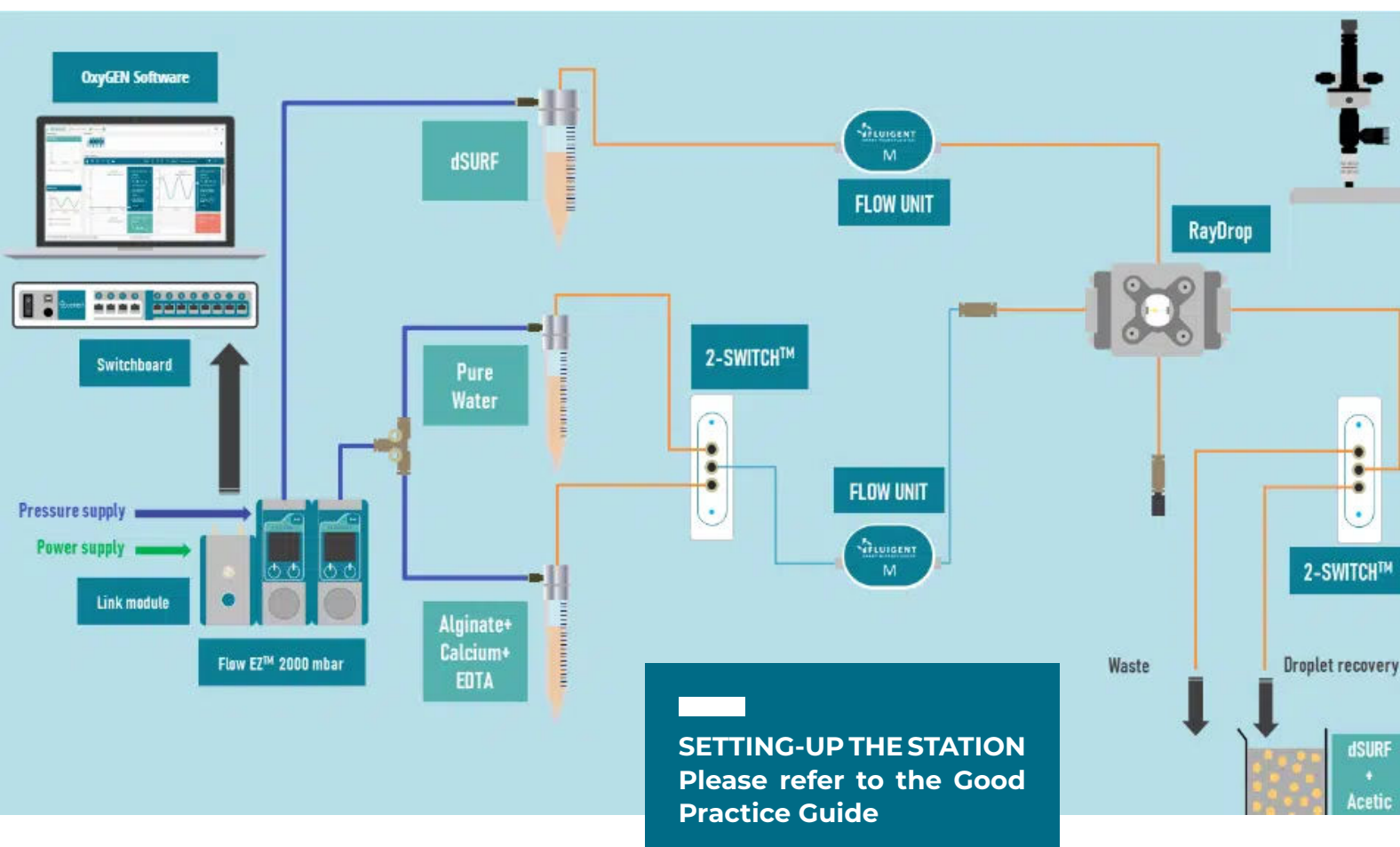
STATION CAPABILITIES



CONTENT

- 2 * Flow EZTM (2000 mbar) and Supply kit
- 1 * Link
- 2 * FLOW UNIT (M) and Connector and tubing kit
- 3 * P-CAP (3*15ml) and Connector and tubing kit
- 2 * 2-SWITCHTM and Connector and tubing kit
- 1 * Switchboard
- 1 * RayDrop
- 1 * Alginate connector and tubing kit
- Inline filters (x2) and fittings (x4)
- OxyGEN Software
- 1 * Digital high-speed microscope (optional)





TECHNICAL SPECIFICATIONS

BEADS PRODUCTION	
Dispersed phase	Alginate+calcium+EDTA+water
Alginate concentration	0.5%, 1%, 1.5%, 2%
Continuous phase	dSURF
Particle size range*	90-180µm
Production frequency*	Up to 300Hz
Monodispersity	2%

FLOW CONTROL	
Pumps**	Fluigent Flow EZ™ (2 bar)
Flow sensors**	Fluigent FLOW UNIT (M)
Automated valves**	Fluigent 2-SWITCH™

BEADS PRODUCTION	
Live & Auto-mated control	Fluigent OxyGEN Software
Imaging	Pixelink Capture Software

IMAGING (OPTIONAL)	
Microscope	Fluigent Digital high-speed microscope

*Depending on Alginate concentration (download the Alginate beads production application note)

**For detailed specification: download LineUP User Manuel, ESS User Manuel.