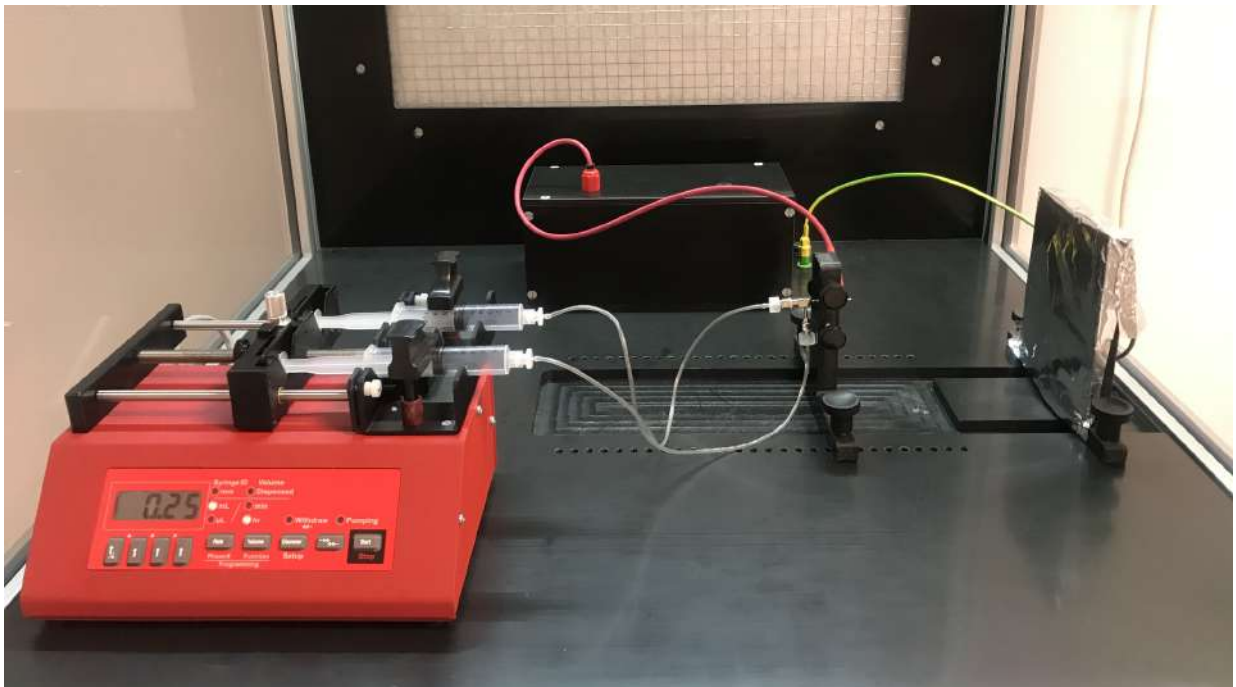


E-Fiber Accessories

Modular electrospinning/electrospraying platform



EFA320 - Coaxial Electrospinning Set-up

The Coaxial Electrospinning set-up is composed by a 2-channel syringe pump and a coaxial stainless steel spinneret needle, which allows to simultaneously infuse or electrospin up to 2 different materials. In this way it is possible to prepare core-shell fibers, hollow fibers, drug-loaded fibers for sustained release, and many more types for different applications.

This set-up can be integrated within SKE E-Fiber equipment EF050 and EF100 (already included in EF300).

TECHNICAL DATA | 2-channel syringe pump

Syringe sizes	Up to 60 mL
Number of syringes	2
Maximum pumping rate	6120 mL/hr with a 60 mL syringe
Minimum pumping rate	1.459 μ L/hr with a 1 mL syringe
Syringe inside diameter range	0.100 to 50.00 mm
Motor type	Step motor
Motor steps per revolution	200
Micro-stepping	1/8 to 1/2 depending on motor speed
Motor to drive screw ratio	15/28
Drive screw pitch	20 revolutions/inch
DC connector	2.5 mm, center positive
Voltage at DC connector	12V DC at full load
Amperage	1000 mA at full load
Power supply output rating	12V DC @ 1000mA
Dimensions	229 x 146 x 115 mm (W x D x H)
Weight	1.6 kg

TECHNICAL DATA | Coaxial stainless steel needle

Material	AISI 304 Stainless Steel
Connectors	Female luer
Dimensions	Customizable upon request
Diameter size range	5 – 28 G

ORDERING DETAILS

Product code	EFA320
Standard options	EFA320-EF050 EFA320-EF100

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