



Microplate washers, strip, auto, ELx50™



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A truly flexible platform that provides washing capabilities unsurpassed in its class.

Newly available models with biomagnetic separation and vacuum filtration capabilities make the ELx50 an excellent choice for automating the wash steps of 96 well magnetic or polystyrene bead assays. Comprehensive onboard software makes programming quick and easy. Custom magnets, in either flat or ring designs, incorporate high energy neodymium iron boron magnets for rapid separation of micrometre and nanometre magnetic beads with superior retention. A fast and efficient vacuum filtration module allows vacuum to be adjusted with a range of settings for flexibility with polystyrene beads when using various filter pore sizes and sample viscosities.

Technical Specification - General

Assay	Magnetic bead, polystyrene bead (model dependent) Multiplex assays Bead based ELISA ELISA Cell based assays Protein arrays Filtration-to-waste processes
Features	Separation Biomagnetic separation, vacuum filtration (model dependent) Magnet Choice of two 96 well high strength designs, custom for BioTek microplate washers: Flat Across well bottom Button at well bottom Bottom Non-magnetic washing Magnetic field Flat - 6,800 Gauss, on magnet surface
Microplate configuration	96 well, standard height Flat, round, and V bottom wells Solid and filter bottom (model dependent) Filter pore sizes 0.45µm to 1.2µm
Pump type	Microprocessor controlled syringe pump
Time, s	1 to 600, programmable, variable, (shaking)
Soak time, s	1 to 600
Safety features	Fluid and waste detection (optional) Aerosol cover Overflow protection Pre-programmed maintenance routines
Software	2 x 24 character LCD display 25 alphanumeric soft keys Create, edit or run multiple protocols
Temperature, working, range, °C	15 to 40
Humidity, %RH	10 to 85, non-condensing
Electrical supply	50/60Hz, 100/250V

Please contact Fisher Scientific to discuss your EU compatible product requirements.

Strip washers without buffer switching

Catalogue No	Alt. No	Description
PJB-390-010B	ELx50/8	8 channel, 96 well only
PJB-390-030S	ELx50/12	12 channel, 96 well only
PJB-390-080D	ELx50/16	16 channel, 96/384 well

Strip washing including buffer switching

Catalogue No	Alt. No	Description
PJB-390-150K	ELx50/8M	8 channel, 96 well, biomagnetic separation
PJB-390-155I	ELx50/8MF	8 channel, 96 well, biomagnetic separation, vacuum filtration
PJB-390-160P	ELx50/8F	8 channel, 96 well, vacuum filtration

Strip washers including buffer switching with 3 valves

Catalogue No	Alt. No	Description
PJB-390-050M	ELx50/8V	8 channel, 96 well only
PJB-390-070G	ELx50/12V	12 channel, 96 well only
PJB-390-090A	ELx50/16V	16 channel, 96/384 well

Accessories and spares

Catalogue No	Alt. No	Description
PJB-390-505U	4070515	2L supply bottle and cap
PJB-390-503B	4070513	12 channel manifold
PJB-390-501F	4070512	8 channel manifold
PJB-390-507Q	48140	2L waste bottle and cap
PJB-390-509M	4070510	Supply tubing set
PJB-390-511C	4070511	Waste tubing set
PJB-390-513V	48146	Vacuum line filter