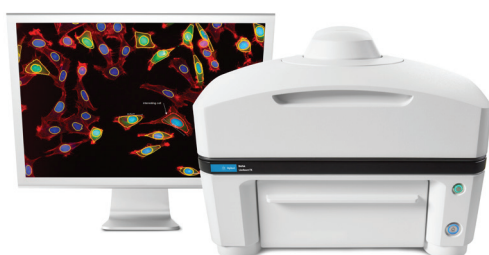
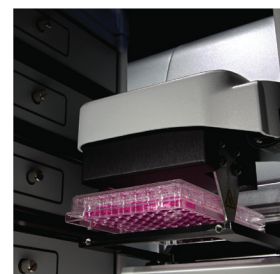
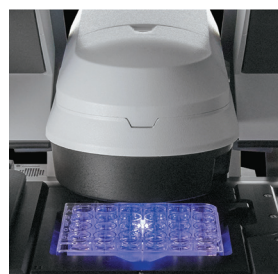
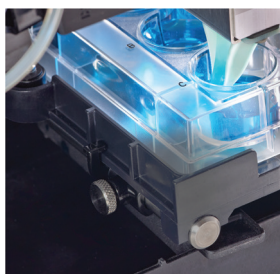
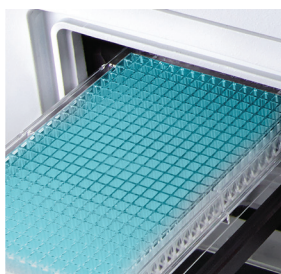


Agilent BioTek Life Science Instrumentation and Software



Imaging and microscopy

Agilent BioTek Lionheart automated microscopes

- Automated image capture, processing, and analysis on a single platform
- Up to 60x air and 100x oil immersion magnification; combined with brightfield, high-contrast brightfield, fluorescence, and phase contrast imaging channels
- Z-stacking and Z-projection, montage and stitching, automated videos from time-lapse sequences
- Image-based and proprietary laser autofocus, autoLED intensity, auto-exposure
- Live cell assay support: incubation to 40 °C and CO₂/O₂ control

Agilent BioTek Cytation C10 confocal imaging reader

- Confocal imaging, widefield imaging, and multimode plate reader in one
- Confocal plus widefield imaging yields stunning images and analysis
- Environmental controls for live cell imaging
- Hit picking: imaging plus multimode detection saves time and data storage
- Variable-bandwidth monochromators for sensitivity and specificity



Agilent BioTek Cytation cell imaging multimode readers

- Up to 60x magnification in fluorescence, brightfield, high-contrast brightfield, color brightfield, and phase contrast imaging channels (modes vary by instrument configuration)
- Wide field of view for fast, whole-well imaging
- Upright reflected- and transmitted-light microscopy
- Single and multicolor, montage, time lapse, Z-stacking methods, and Z-projection
- Hybrid Technology combines filter- and monochromator-based optics for fluorescence detection
- Variable-bandwidth monochromators for fluorescence
- Laser-based Alpha reading capability
- Live cell assay support: CO₂/O₂ control, incubation, and shaking
- Peltier cooling module maintains ambient environmental stability



Agilent BioTek AutoScratch wound making tool

- Creates repeatable scratch wounds for automated kinetic cell migration and scratch wound assays
- Simple installation and implementation
- Use with Lionheart and Cytation imagers
- Scratch Assay app has predefined protocols
- Automated calculations: % confluence, wound width, and maximum healing rate (max V)

Detection



Agilent BioTek Synergy Neo2 hybrid multimode reader

- Hybrid Technology combines filter- and monochromator-based optics for fluorescence detection
- Scientific quad monochromators with 3 to 50 nm continuously variable bandwidth
- High-performance filter system uses multiple PMT detectors
- TRF and Alpha lasers for speed and sensitivity
- Live cell support: temperature control to 70 °C and CO₂/O₂ control, direct bottom illumination
- UV-Vis absorbance, fluorescence, luminescence, TRF, TR-FRET, FP, Alpha
- Agilent BioTek Take3 microvolume plate compatible



Agilent BioTek Synergy H1 multimode reader

- Hybrid Technology combines filter- and monochromator-based optics for fluorescence detection
- Variable-bandwidth monochromators for fluorescence excitation/emission
- Top/bottom fluorescence, UV-visible absorbance, luminescence, FP, TRF, and TR-FRET
- Live cell support: temperature control to 45 °C or 70 °C ("M2" configurations), CO₂/O₂ control



Agilent BioTek Synergy HTX multimode reader

- Fluorescence, UV-visible absorbance, luminescence in 6- to 384-well plates, and Alpha detection
- Linear and orbital shaking, incubation; available dual-reagent dispenser
- Take3 microvolume plate compatible



Agilent BioTek Synergy LX multimode reader

- Affordable, easy-to-use multimode reader
- UV-visible absorbance, 200 to 999 nm
- Filter-based fluorescence and luminescence
- Take3 microvolume plate compatible



Agilent BioTek LogPhase 600 microbiology reader

- Multiplate absorbance reader: four-plate capacity
- Designed for microbial growth curve analysis
- Optimized incubation and Condensation Control provide consistent growth conditions
- Targeted, powerful, and easy-to-use app



Agilent BioTek Epoch 2 microplate spectrophotometer

- Large, color, touch screen interface with onboard software
- Filter-free, 200 to 999 nm wavelength range
- Reads 6- to 384-well plates and 2 µL samples with Take3 microvolume plate
- Shaking and incubation to 65 °C with Condensation Control



Agilent BioTek Epoch microplate spectrophotometer

- Select individual wavelengths from 200 to 999 nm, without filters
- Perform spectral scans, end-point, kinetic, or well-area scans
- Take3 microvolume plate compatible



Agilent BioTek 800 TS absorbance reader

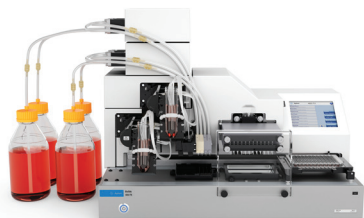
- Reads plate types from 6- to 384-well
- Wavelength range from 400 to 750 nm (340 to 750 nm option)
- Temperature control and shaking (option)



Agilent BioTek Take3 and Take3 Trio microvolume plates

- Up to 16 or 48 samples of 2 μ L for nucleic acid and protein quantification, without dilution
- Use with Agilent BioTek Epoch, Epoch 2, Synergy, and Cytation readers (with absorbance detection module)
- Preprogrammed protocols in Agilent BioTek Gen5 data analysis software for easy multisample measurements

Liquid handling



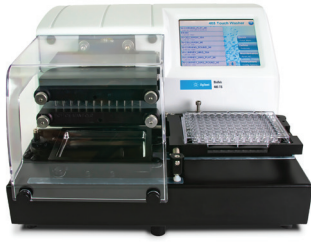
Agilent BioTek 406 FX washer dispenser

- 96-, 384-, and 1536-well microplates
- Combines fast microplate washing with up to six reagent dispensers in one, compact instrument
- Automation-friendly: left- and right-side robotic arm access
- Wash buffer switching for up to four buffers
- Biomagnetic separation capability
- Typical applications: ELISA, cell-based assays, MSD automation, magnetic bead assays



Agilent BioTek EL406 washer dispenser

- 96-, 384-, and 1536-well microplates
- Combines fast microplate washing with up to three reagent dispensers in one, compact instrument
- Wash buffer switching for up to four buffers
- Biomagnetic separation capability and vacuum filtration modules
- Typical applications: ELISA, cell-based assays, MSD automation, magnetic/polystyrene bead assays



Agilent BioTek 405 TS and LS washers

- 96- and 384-well microplates
- Password protection: lock/unlock protocols
- Verify technology clog detection for dispense and aspiration tubes
- Gentle dispense and adjustable vacuum pressure for nondisruptive cell washing
- Programmable residual volumes
- Wash buffer switching for up to four buffers
- Magnetic and polystyrene bead assays, along with conventional ELISA



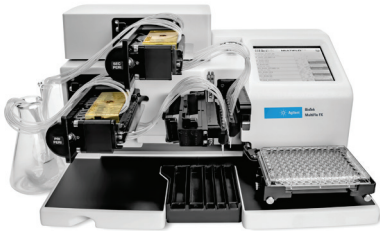
Agilent BioTek ELx405 Select deep well washer

- 96- and 384-well deep-well and standard-height microplates
- Built-in ultrasonic cleaner option for effortless maintenance
- Wash cell assays with extralow flow option
- Wash buffer switching for up to four buffers



Agilent BioTek 50 TS washer

- Washer with 4-, 8-, 8s-, 2 x 8- and 12-well manifold options for 24-, 96-, and 384-well microplates
- Syringe pump provides precise and accurate dispensing
- Wash buffer switching for up to three buffers
- Biomagnetic separation and vacuum filtration modules



Agilent BioTek MultiFlo FX multimode dispenser

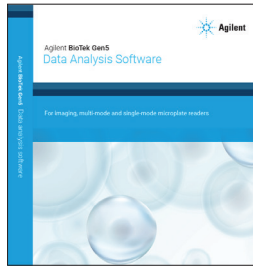
- 6- to 1536-well microplates in low-profile, standard-height, and deep-well formats
- 500 nL to 3 mL dispensing; from one to four reagents
- Dispense to custom-mapped individual wells with available Random Access Dispensing module
- Available wash module for 6- to 384-well plates
- Unique combination peristaltic pump and syringe drive technologies, fully modular and upgradable
- Automated gentle media exchange for 3D cell structures with Automated Media Exchange (AMX) module



Agilent BioTek MicroFill dispenser

- Automated dispenser for 24-, 96-, and 384-well plates, and deep well plates
- Low maintenance, reliable operation
- Intuitive onboard software

Software



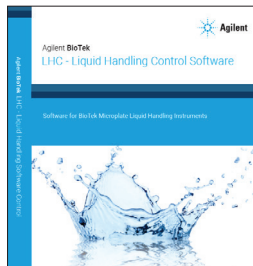
Agilent BioTek Gen5 microplate reader and imager software

- Control of all Agilent BioTek microplate readers and imagers
- Intuitive interface for protocol and data reduction and results output
- Powerful analysis of absorbance, fluorescence, luminescence, and image data
- Agilent BioTek Gen5 Secure software enables 21 CFR Part 11 compliance
- Advanced image analysis with Agilent BioTek Gen5 Image+ and Image Prime software



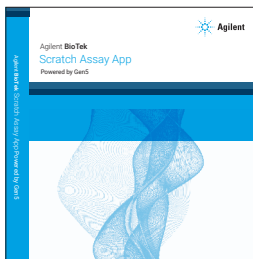
Agilent BioTek Gen6 data analysis software

- Control of Agilent BioTek microplate absorbance readers
- Walk-up usability
- Set up assay, analyze results, and export data in minutes
- Prebuilt experiment templates
- Advanced read functionality for kinetic assays and area scans



Agilent BioTek Liquid Handling Control (LHC) software

- Full control for Agilent BioTek washers and dispensers, including: 406 FX, EL406, 405 TS, 405 LS, ELx405, and MultiFlo FX
- Intuitive stepwise protocol creation with an unlimited number of methods included
- Custom maintenance reminders for continued instrument performance in busy laboratories
- Agilent BioTek LHC Secure software enables 21 CFR Part 11 compliance



Software apps

Scratch Assay app

- Capture and analyze scratch wound images and data
- Compatible with Lionheart FX and Cytation 7, 5, and 1

Take3 app

- Preprogrammed protocols for dsDNA, ssDNA, RNA, and protein (BSA, IgG, lysozyme) measurement
- Streamlined workflow for Take3 plate users



Robotics



Agilent BioTek BioSpa 8 automated incubator

- Complete workflow automation, sample preparation to detection
- Temperature, CO₂/O₂ control, humidity monitoring
- Records environment conditions, automated alerts
- Compact for biosafety cabinet use
- Uncomplicated software and simple integration



Agilent BioTek BioStack microplate stacker

- < 10 seconds plate exchange time
- Delidding capability with Agilent BioTek BioStack 4 microplate stacker
- 24-, 48-, 96-, 384-, and 1,536-well plate compatible (BioStack model dependent)
- Direct control through washer and dispenser interface or via LHC or Gen5 software
- Compatible with Agilent BioTek readers and liquid handlers (except 50 TS and 800 TS)

Features presented above may represent options available in specific configurations, models, or modules of the instruments.

www.agilent.com/lifesciences/biotek

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