

## S3 IncuCyte

### Technical details

- [S3 IncuCyte \(Sartorius\)](#) 'Within incubator' live cell imaging system for optimum environmental stability and reproducible imaging over extended time-courses.
- Automated time-lapse imaging of multiple positions with 4x (0.2 NA), 10x (0.3 NA) or 20x (0.45 NA) lenses.
- Holders for up to 6 multi-well plates (up to 384-well). Combination of plates, flasks, dishes, Multi-well slides also possible but would require additional holders.
- Options for imaging multiple fields per well or to image entire wells. Numbers of fields / wells / vessels dependent on temporal resolution but imaging several hundred positions per hour is feasible.
- Remote control and analysis of parallel experiments – limitless access to analysis software on remote workstations. Once data removed from central storage and analysis workstation it can be accessed but not re-analysed with IncuCyte software.
- Phase contrast and fluorescence imaging.
- Fluorescence filter cubes available: green (Ex 441-481nm, Em 503-544nm) and red (Ex 567-607nm, Em 622-704nm).
- Proprietary '[High Definition](#)' (HD) imaging mode uses adapted phase contrast optics and additional processing to provide high contrast imaging even in 96 and 384-well plates.
- High resolution CCD camera.
- [Powerful software tools](#) for batch analysis ('high throughput' imaging) of cell number, confluence, cell fluorescence and morphology.
- Neuronal cell and dendrite analysis module – '[NeuroTrack](#)'.
- Hardware (WoundMaker 96 tool) and software (CellPlayer™) for [scratch wound migration](#) assays in 96-well format.
- Access and booking coordinated by the facility team – contact [Wolfson-Im@bris.ac.uk](mailto:Wolfson-Im@bris.ac.uk)