Cell Growth
Beside traditional shaking cultures:
Fermentation system fedbatch Pro (DasGip) combined with EloCheck (biotronix) for measurement of optical density

Cell disintegration for bacteria and yeast
EF-C3 Avestin Emulsiflex Homogeniser (Standard)
Capacity 3l/hr independent of pressure - minimum sample volume 10ml - pressure up to 30,000psi - powered by electric motor so no compressor necessary.
Gradient PCR cycler (Eppendorf)

Micro plate reader
Safire (TECAN) (absorption / fluorescence for all MTP-formats)
Protein purification
Beside various FPLC Systems

Workstation Vision (Applied Biosystems)

Profinia (BioRad)
Expression & Solubility Screen
XXL Electrophoreses (CBS)

or E-PAGES (Invitrogen)

Adjustment from 96 well format to 384 well format via expandable multichannel-pipettes (MATRIX)

preparation 20 min / run 23 min
staining 60 min / destaining 60 min