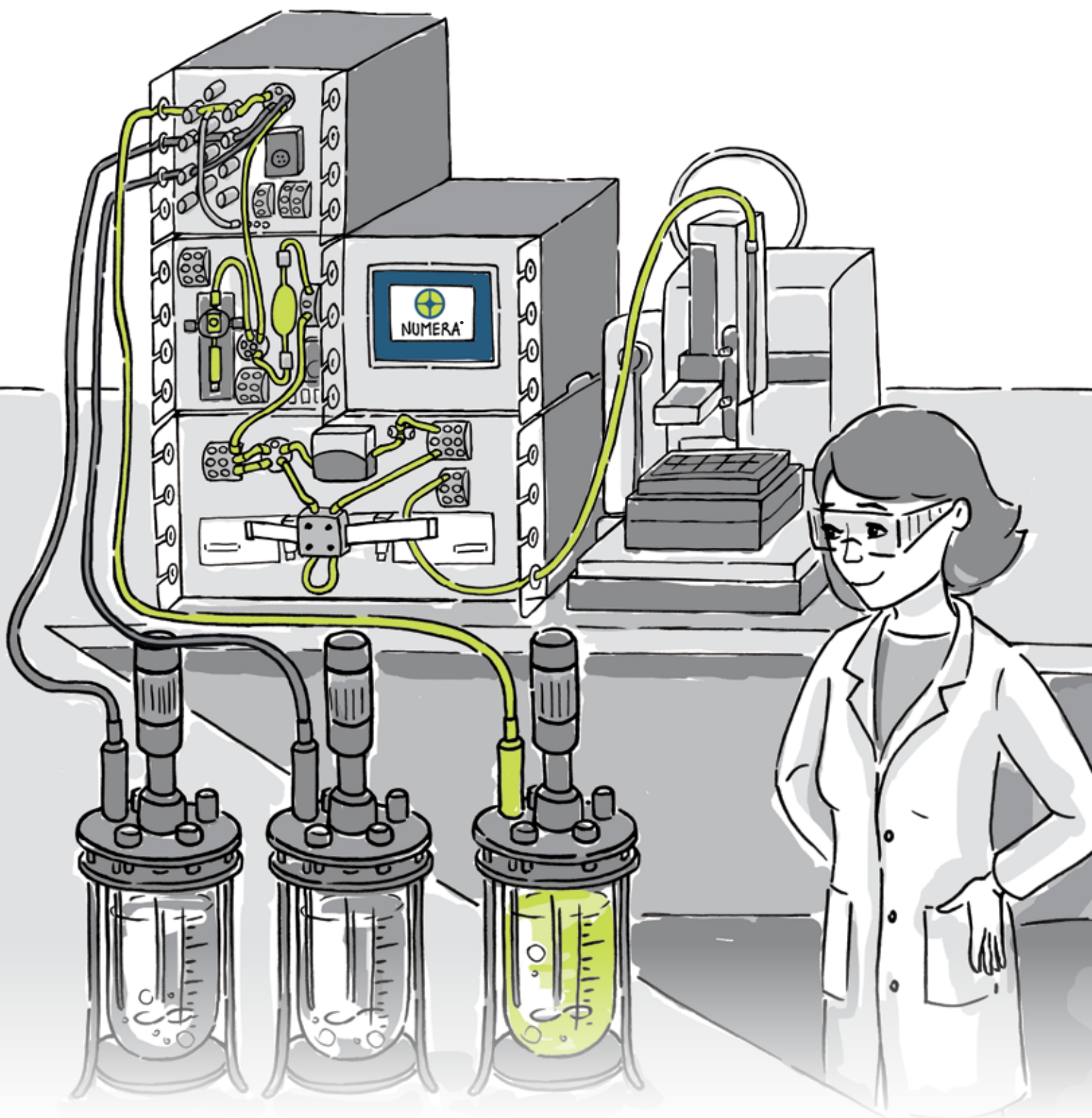




Automated Sampling

Reliable around the clock!

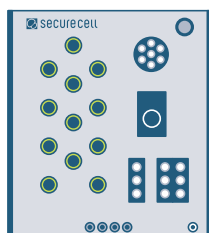


NUMERA® AUTOMATED SAMPLING SYSTEM

Numera® allows drawing low volume samples from up to 16 bioreactors. The samples can be automatically preprocessed and stored at chilled conditions. Preprocessing includes dilution, reagent addition and filtration. In addition to the standard modules, an advanced set-up includes the Routing Module to allow direct injection into various analyzers and increases the user's flexibility.

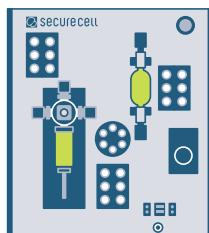
MODULARITY IN THE STANDARD SET-UP

Numera offers 5 standard modules that can be combined according to your specific needs. The **Control Module** is part of every set-up to allow preparation of the system as well as setting of basic parameters. Preprocessing including cell removal is performed in the dedicated module.



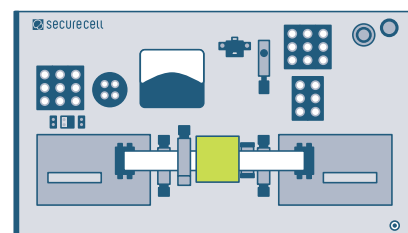
Multiplexer Module

- Interface to up to 16 bioreactors
- Sterility barrier (pinch valve)
- EtOH cleaning to prevent cross-contaminations
- Back-flush with sterile air to minimize sample volume (2-4 mL)



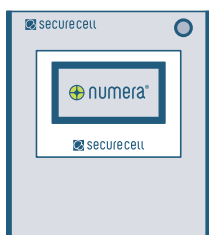
Dilution Module

- Dilution from 1:2 to 1:30
- Reagent addition, mixing and setting of reaction time
- Overall precision of $\leq 2\%$ SD, max. accuracy



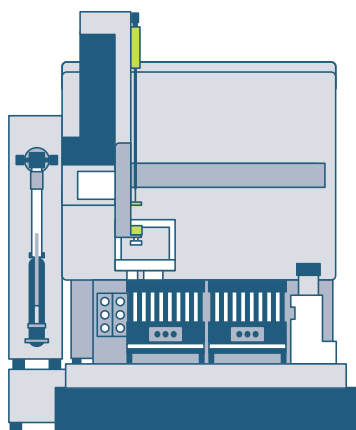
Filtration Module

- Cell removal and retention of supernatant
- Unique tape filtration technology
- New filter for every sample
- No clogging, no cross-contamination
- 0.22, 0.45, 0.65 and 1.2 μm pore size



Control Module

- Preparation of the system
- Configuration of basic parameters



Autosampler

- Storage of samples in chilled environment
- Different sizes available (48-320 sample positions)
- Usable with deep well plates or vials

BENEFITS OF NUMERA®

- Automated sampling 24/7
- High frequency and low volume sampling
- Elimination of operator-to-operator variations
- Consistent cell removal and maximum sample yield
- No clogging, no cross-contamination
- Option to directly integrate common analyzers
- Low maintenance effort



Request a visit to one of our demolabs and more information:

contact@securecell.ch
www.securecell.ch