Solutions for Your mAb Challenges

Eppendorf Centrifuges for the Therapeutic Antibody Drug Discovery Workflow



Centrifuge 5425

+ Rotor FA-18x2-Kit



- > Safe centrifugation with tube lid open: extended rim rotor
- > Fast and easy operation: QuickLock® rotor, short key function, automatic lid opening
- > Minimal noise pollution: optimized sound design

Big Volume Harvesting Solution

Centrifuge 5910 Ri

- + Rotor S-4xUniversal*
- + 4 x 1I adapter
- +4 x 1l bottle



- > Great capacity and versatility: universal high capacity rotor
- > Optimal cooling for sample safety: aluminium rotor, Dynamic Compressor Control cooling technology
- > GxP documentation suport: user management including run records

High-Throughput Screening Solution

Centrifuge 5920 R

- + Rotor S-4-1000 (plate/tube bucket)
- + 4 x plate carrier



- > Easy and safe plate handling: plate carrier, closed plate buckets
- > Faster operation: FastTemp pro®

Classic Cell Culture Solution

Centrifuge 5810

- + Rotor S-4-104*
- + 4 x 5/15 mL adapter
- + 4 x 50 mL adapter



- > Optimal size to capacity ratio: small footprint
- > Optimal ergonomy with low access height and soft touch lid

Production of **Target Antigen**

mAb Drug Discovery Workflow

- Plasmid construction (small)
- Plasmid construction (large)
- Expression in bacteria or cell lines
- Lysate clarification
- Antigen concentration

Generation of Hits & Identification

- Hybridoma technology
- FACS/Flow cytometry ■ High throughput screening

Characterization of Hits & Selection of Leads

- PBMC isolation
 - Screening assays

Characterization of Leads

- PBMC isolation
- Screening assays Sequencing

(preparation)

(spin down) Sequencing

Protein Engineering of Antibody Leads

- Humanization (small)
- Humanization (large)

Transient Antibody Lead Expression

Antibody expression in cell lines

In vivo Validation

■ PBMC isolation Screening assays

Cell Line Development

Establishment of stable cell line

High Speed Solution

Centrifuge 5910 Ri

+ Rotor FA-6x50



- > Fast and easy operation: QuickLock® rotor, favorites function accessible from home screen <3s, timer function
- > Optimal cooling for sample safety: aluminium rotor, Dynamic Compressor Control cooling technology

Versatility Solution

Centrifuge 5910 Ri

- + Rotor S-4xUniversal*
- + 4 x 5/15/plate adapter
- + 4 x 50/250/plate adapter



- > Great versatility: universal rotor and adapters
- > Optimal cooling for sample safety: Dynamic Compressor Control cooling technology
- > Fast and reproducible operation: directly accessible programs via touch screen, optimized deceleration ramps

Low-Throughput Plate Solution

Centrifuge 5430

+ Rotor A-2-MTP



- > Space saving: very small footprint
- > Fast and reproducible parameter changes: 3 program buttons, rotary knobs
- > Easy and safe operation: automatic lid opening