eppendorf

Solutions for Your mAb Challenges

EPPENDORF CENTRIFUGES FOR THE THERAPEUTIC ANTIBODY DRUG DISCOVERY WORKFLOW

Hit to Lead Discovery

PRODUCTION OF TARGET ANTIGEN

- 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 assay

Lead Optimization

CHARACTERIZATION OF LEADS

- PBMC isolation
- Functional assays
- Sequencing (spin down)
- Sequencing (preperation)

PROTEIN ENGINEERING OF ANTIBODY LEADS

- Humanization (small)
- Humanization (large)

TRANSIENT ANTIBODY LEAD EXPRESSION

• Antibody expression in cell lines

Candidate Validation

IN VITRO VALIDATION

- PBMC isolation
- Functional assays

CELL LINE DEVELOPMENT

• Establishment of stable cell line

MOLECULAR BIOLOGY SOLUTION

Centrifuge 5425 + Rotor FA-18x2-Kit

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

→ Fast and easy operation: QuickLock[®] rotor, favorites

Optimal cooling for sample safety: aluminum rotor,

→ GxP documentation support: user management including

BIG VOLUME HARVESTING SOLUTION

Centrifuge 5910 Ri

 $+4 \times 11$ bottle

+ Rotor S-4xUniversal*



4

20

Great capacity and versatility: universal high capacity roto Optimal cooling for sample safety: aluminum rotor ic Compressor Control cooling technology

GxP documentation support: user management including

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,

• CLASSIC CELL CULTURE SOLUTION

Centrifuge 5810

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



Hre

Optimal size to capacity ratio: small footprint Optimal ergonomy with low access height and

+ 4 x 1I adapter

HIGH SPEED SOLUTION

Centrifuge 5910 Ri + Rotor FA-6x50



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: → Fast and reproducible operation: direcly accessible → Faster operation: FastTemp pro[®]

LOW-THROUGHPUT PLATE SOLUTION

Centrifuge 5430 + Rotor A-2-MTP



Space saving: very small footprint → Fast and reproductible parameter changes:

• Easy and safe operation: automatic lid opening

CENTRIFUGE SERVICE

epServices

- → Qualification Service: receive GxP standards & regulation → Service Agreements: realize easy plannability

Optional aerosol-tight rotor caps for biocontainment. Aerosol-tight caps offer additional safety when working with hazardous samples. They safely contain spilled liquid inside the rotor in case a tube leaks or breaks during centritigation.