Solutions for Your mAb Challenges

**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
- Functional assays

**Protein Engineering of Antibody Leads**
- Humanization (small)
- Humanization (large)

**Candidate Validation**

**In Vitro Validation**
- PBMC isolation
- Functional assays

**Cell Line Development**
- Establishment of stable cell line

**Molecular Biology Solution**
- Eppendorf 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

**High Speed Solution**
- Eppendorf Centrifuge 5910 Ri + Rotor FA-6x50
  - Fast and easy operation: QuickLock® rotor, favorites function accessible from home screen, one-touch function
  - Optional cooling for sample safety: aluminum rotor
  - Dynamic Compressor Control cooling technology
  - GxP documentation support: user management including run records

**Big Volume Harvesting Solution**
- Eppendorf Centrifuge 5910 Ri + Rotor S-4xUniversal®
  - 4 x 1L bottle
  - Great capacity and versatility: universal high capacity rotor

**Versatility Solution**
- Eppendorf Centrifuge 5910 Ri + Rotor S-4xUniversal®
  - 4 x 5/15/plate adapter
  - 4 x 50/250/plate adapter

**Low-Throughput Plate Solution**
- Eppendorf Centrifuge 5430 + Rotor A-2-MTP
  - Space saving: very small footprint
  - Fast and reproducible parameter changes: 3 program buttons, rotary knobs

**High-Throughput Screening Solution**
- Eppendorf Centrifuge 5920 R + Rotor S-4-1000
  - 4 x 5/15 mL adapter
  - 4 x 50 mL adapter

**Classic Cell Culture Solution**
- Eppendorf Centrifuge 5810 + Rotor S-4-104®
  - 4 x 1L adapter
  - 4 x 1L bottle

**Centrifuge Service**
- Qualification Service: meets GxP standards & regulatory requirements for internal and external audits
- Preventive Maintenance: benefits from increased productivity and uptime
- Service Agreements: realize easy plannability with an agreement

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*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 centrifugation.*