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# SCALA

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The demands on future-proof laboratories are clearly defined: ultimate functionality, maximum occupational safety and outstanding flexibility with regard to laboratory design and use. We are implementing challenging projects across the globe with our SCALA laboratory furniture system - „Made in Germany“. Our products have been setting the benchmark in the laboratory industry for some time: first-class quality, award-winning design and perfect project management guarantee a maximum return on your investment.

Waldner is your system partner for everything in relation to your laboratory. The following pages illustrate what we have already achieved for our customers with SCALA.



# Actelion Pharmaceuticals Ltd



## Building H89

**Location:** Allschwil / Basel, Switzerland · **Laboratory area:** Approx. 5,500 m<sup>2</sup> · **Type of laboratory:** Biopharmaceutical research laboratories · **Architect:** Herzog & de Meuron · **Equipment:** Secuflow bench-mounted fume cupboards with extract air Airflow Controller 3 and sash controller · Wall and double work benches · Service spines, suspended service booms, Bench-mounted service ducts · **Special characteristics:** De-central vacuum supply systems · Integrated laboratory dish washers · Metal components in SCALA white







**Location:** Frankfurt, Germany · **Laboratory area:** Approx. 1,000 m<sup>2</sup> · **Type of laboratory:** Research and development laboratories · **Equipment:** Bench-mounted fume cupboards with extract air Airflow Controller 3 and sash controller · Touch screen for room-air control · Wall and double work benches · Service columns · **Special characteristics:** The delivery time from the placement of the order to acceptance was 6 months · Laboratory ventilation incl. supply and extract air control system · Walk-in cupboards with extraction · Extracted housings as ex-proof variants · Service ceiling supplies the room with supply and extract air, lighting, mechanical and electrical services







**Location:** Riyadh, Saudi Arabia · **Laboratory area:** Approx. 600 m<sup>2</sup> · **Type of laboratory:** Research laboratories · **Equipment:** Fume cupboards with side installation and waste disposal systems for solvents · Wall and double work benches · Service wings with variable benches · Balance tables · **Special characteristics:** Laboratory integrated in office building · HPLC waste disposal systems · Service wings with workplace lighting and sometimes room lighting · De-central pure gas supply









**Location:** Esch Belval, Luxembourg · **Laboratory area:** Approx. 1,100 m<sup>2</sup> · **Type of laboratory:** Research laboratories · **Equipment:** Secuflow bench-mounted fume cupboards with extract air Airflow Controller 3 and sash controller · Touch screen for room-air control · Wall and double work benches · Service columns · **Special characteristics:** Laboratory ventilation incl. supply and extract air control system · Equipped with laboratory devices · Service ceiling supplies the room with supply air, lighting, mechanical and electrical services · The partition wall system can be adapted and separates the office zones from the laboratory zone







**Location:** Jena, Germany · **Laboratory area:** Approx. 3,500 m<sup>2</sup> ·  
**Type of laboratory:** Chemical and analytical laboratories ·  
**Equipment:** 200 fume cupboards · Laboratory benches as wall and double work benches · Pull-out cabinets · **Special characteristics:** Chemical breakdown fume cupboards with integrated fume-scrubber · Supply systems for solvents







**Location:** Novo Mesto, Slovenia · **Laboratory area:** Approx. 4,000 m<sup>2</sup> · **Type of laboratory:** Analytical research laboratories, wet chemical laboratories · **Equipment:** Approx. 60 Secuflow bench-mounted fume cupboards with extract air Airflow Controller 3 and sash controller · Wall and double work benches · **Special characteristics:** Overall concept for supply and extract air control system · Supply and waste disposal systems for flammable liquids







**Location:** Paderborn, Germany · **Laboratory area:** Approx. 2,500 m<sup>2</sup> · **Type of laboratory:** Chemical laboratories · **Equipment:** Secuflow bench-mounted fume cupboards with extract air Airflow Controller 3 and sash controller · Wall and double work benches · **Special characteristics:** Laboratory ventilation incl. supply and extract air control system · Connection to the building control systems via Modbus









**Location:** Staufen, Germany · **Laboratory area:** Approx. 350 m<sup>2</sup> · **Type of laboratory:** Technical centre · Test laboratories · **Equipment:** Bench-mounted fume cupboards with function display and sash controller · Wall and double work benches · Service columns · Walk-in fume cupboards with side installation · **Special characteristics:** Laboratory integrated into existing building · Service ceiling supplies air to the room, lighting, mechanical and electrical services





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#### Fume cupboards and extraction devices

Bench-mounted fume cupboard.....	20, 22
Secuflow bench-mounted fume cupboard.....	2, 3, 4, 6, 19, 24, 26, 27, 28, 30, 31
Bench-mounted fume cupboard with side installation .....	12, 13
Walk-in fume cupboard with side installation .....	23, 34
Low level fume cupboard with side installation.....	23
Special application fume cupboard.....	23
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Snorkel hood .....	8

#### Service modules

Service wing .....	14, 15
Suspended service boom.....	5
Service column.....	8, 9, 11, 16, 17, 18, 19, 32, 33, 34, 35
Service wall duct .....	13, 18
Bench-mounted service duct.....	7, 29
Service ceiling .....	8, 9, 11, 16, 17, 18, 19, 32, 33, 34, 35

#### Laboratory benches and sinks

Laboratory benches .....	5
Double work bench .....	4, 5, 6, 7, 8, 10, 11, 13, 17, 19, 20, 21, 22, 23, 24, 31
Wall bench.....	3, 4, 5, 7, 11, 20, 22, 23, 24, 25, 26, 27, 28, 29, 30, 31, 32, 33, 34, 35
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Bench with C-frame.....	29
Mobile table .....	9, 12, 14, 18
Laboratory sink .....	2, 7, 10, 22
Laboratory sink module.....	3, 8, 9, 13, 15, 25, 28
Drip cup on service spine.....	8, 10
Balance table .....	6, 9, 15, 23
Sliding element „Sekretär“ .....	35
Sliding element „Protector“ .....	3, 13

#### Storage cupboards

Underbench unit on plinth .....	4, 9, 10, 12, 13, 15, 17, 20, 22, 23, 24, 27, 30, 31, 32, 33, 34, 35
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Underbench unit for sinks .....	7, 8, 10
Overbench cabinet.....	6, 7, 10, 11, 13, 16, 17, 18, 19
Laboratory cabinet.....	7, 14, 17, 27
Emergency cabinet.....	12
Top-mounted cabinet.....	7
Pull-out cabinet.....	12, 21
Underbench safety unit for fume cupboards for storing acids and alkalis.....	12, 13, 25
Underbench safety unit for fume cupboards for storing flammable liquids.....	2, 6, 8, 12, 15, 20, 22
Safety cabinet for storing flammable liquids .....	3, 22, 31

#### Supply and disposal

Waste disposal system for flammable liquids .....	6, 12
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