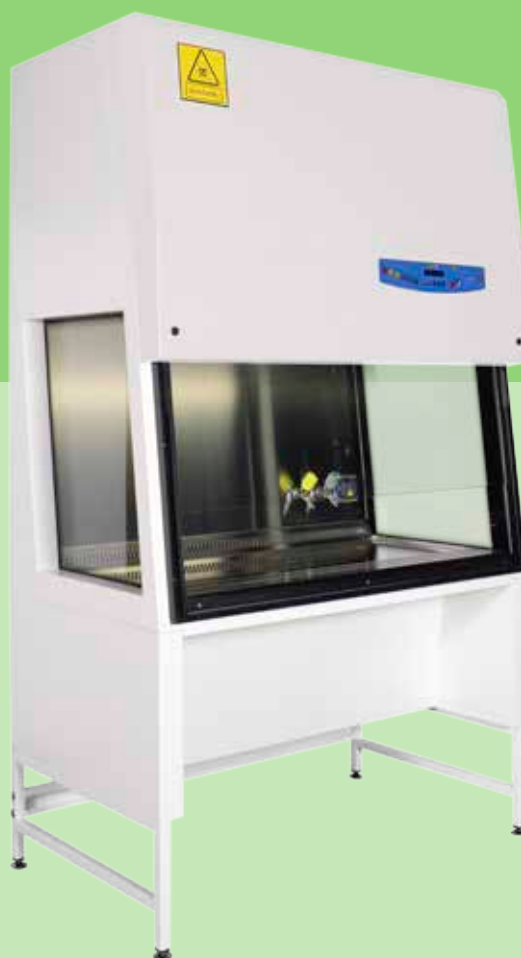
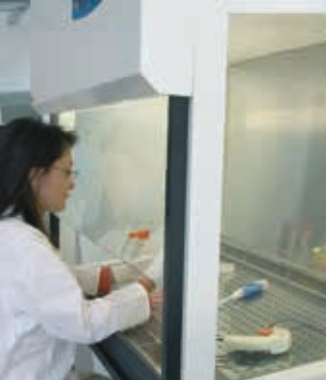


CYTOTOXIC
SAFETY CABINET

the new generation TCS



laminar air flow systems



TCS
the new generation



DCETCS CAB 2015/01

TECHNICAL SPECIFICATIONS

CONSTRUCTION MATERIALS

- Body structure: epoxy cold rolled painted steel coated with antimicrobial coating.
- Work surface: AISI 316L stainless steel one piece basin shaped. Stainless steel work surface in segments or perforated sectors are available upon request.
- Back wall panel: made in AISI 304 stainless steel.
- Screen: automatic sliding frontal sash window made out of 8mm thickness stratified glass. Side screens are made in tempered glass.

FILTRATION

- Main filter: H14 HEPA/ULPA filter under the work surface as per DIN 12980:2005.
- LAF filter: low pressure drop with H14 HEPA/ULPA filter with efficiency of 99,995% MPPS as per CEN EN 1822.
- Exhaust filter: certified low pressure drop H14 HEPA/ULPA filter with efficiency of 99,995% MPPS as per CEN EN 1822.
- Air cleanless in Class ISO 3, according to ISO 14644-1.

VENTILATION

Provided by double Alternate Current motorblowers.

AUTOMATIC AIR FLOW SPEED REGULATION

The progressive filters clogging is compensated by automatic air flow speed regulation system provided by digital anemometer sensor. The microprocessor automatically keeps the pressures balanced and the down-flow and air-flow barrier speeds steady and constant.

OUTLET STANDARD FITTINGS

- Electrical socket (two sockets are available as standard in TCS 5 and 6).
- Automatic service connection for gas.
- Manual service connection for vacuum.

LIGHTING

The unit is equipped with double fluorescent lights.

OPTIONS AVAILABLE

- UV magnetic light.
- Additional taps or sockets.
- Stainless steel hanging bars.
- Stainless steel armrest.
- Anti blow-back dumper.
- Exhaust hard duct connection.
- Additional H14 HEPA/ULPA filter on the exhaust.
- Additional charcoal filter on the exhaust.
- Pre-filters grids.
- Electrical adjustable stand
800 to 1100 mm working height.

HOT POINTS:

- ✓ TCS cytotoxic and biosafety cabinet is compliance with DIN 12980:2005 and with EN 12469:2000 standards.
- ✓ 7 degrees sloped front.
- ✓ Available with double motor.

TECHNICAL TABLE TCS

Description	Unit	TCS 3	TCS 4	TCS 5	TCS 6
Overall Dimensions WxHxD (1)(4)	mm	1045 1950x855	1350 1950x855	1655 1950x855	1960 1950x855
Usefull Dimensions WxHxD	mm	887 740x580	1192 740x580	1497 740x580	1802 740x580
Working aperture	mm	200*			
Maximum front aperture	mm	420			
Weight	kg	215	245	285	325
Exhaust flow rate	m³/h	290	390	485	585
Noise level (2)	dB(A)	<53	<54	<55	<56
Lighting level	lux	>1100	>1200	>1200	>1300
Electrical Data		1Ph+E - 230V 50Hz			
Current consumption (2)(3)	A	2,3	3,0	3,6	4,5
Electrical class / IP		1/20			
Internal electrical outlet		The electrical outlets have a total load capacity of 4A			
Heat emission	W	175	240	280	360

(1) The total depth of the cabinet can be easily reduced to 790 mm removing the back panel.

(2) At operation condition according to EN 12469: 2000 and DIN 12980:2005.

(3) Clean filters, lighting activated, internal outlet load excluded.

(4) The total height of the cabinet excluding a removable stand for moving through the door is 1995 mm.

* Alternative sash-height settings (250-160 mm) by the factory are available upon request

