

date:

10.11.2008

Operating Instructions

Centrifuge Eppendorf 5415D



Hazards for Humans and Environment

Risk of **inhalation** of **aerosols**

Risk of fire or explosion when centrifuging highly flammable or explosive substances

Risk of instability of the centrifuge when imbalanced

Protective Measures and Rules of Behaviour

Check visually the centrifuge, rotor and the tubes for defects before use

Fasten the rotor and the rotor cover well before use

Use only tube of 1,5 or 2,0 ml, smaller tubes need adaptors

Maximum quantity for this centrifuge are **50 ml**,

Maximum speed is 13,200 rpm = 16,100 g

Max. liquid density is 1.2 g/cm³ at max. speed

Tubes have to be **closed well** to **avoid an imbalance**

Load the rotor symmetrically:

this includes roughly the **weight of the tubes**

In the case of a **contamination**,

clean the centrifuge and the rotor **immediately** (e.g. 70 % EtOH)

Turn on centrifuge, open lid

Set **SPEED** by rotating knob

change rfc to rpm by pressing **SPEED** knob

speed set can be changed during the run by rotating **SPEED** knob

Set **TIME** by rotating knob (min)

time set can be changed during the run by rotating **TIME** knob

the last minute of the run is displayed as a count-down in seconds

Press **START** to initiate run

SHORT-key pressed > 2 s when lid is closed: initiates spinning during **SHORT**-key is pressed

During run values (**SPEED**, **TIME**) are displayed

After ending or interrupting by **STOP** rotor brakes until standstill

Cleaning & Maintenance

Dry condensation water within the rotor chamber. Keep the lid open to dry the rotor chamber

Clean and **disinfect** the centrifuge and rotors (& rotor bores) **monthly** with neutral detergents

Clean rubber seals well with water and put **glycerol** to **protect** the **seals**

