**Refrigerated Centrifuge**

**Equipment:** Refrigerated Centrifuge 6-16K

**No. of Equipment: UFCH5**

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**Equipment Description**

**Description of equipment:**

Centrifuge is power-driven machines that separates liquids from solid matter, liquids mixtures, or solid mixtures by centrifugal force. Refrigerated centrifuge is equipped by temperature controller. Temperatures between -20°C and +40°C can be preselected.

Specifications and technical features:

|  |  |
| --- | --- |
| Manufactured: | SIGMA Laborzentrifugen GmbH |
| Type: | 6-16K |
| Performance data:Max. speed (rpm):Max. capacity (ml):Max. gravitational field (x g):Max. kin. Energy (Nm): | 15 0003 20025 155154 007 |
| Other parameters:Time range: Spincontrol Comfort Spincontrol ProfessionalTemperature range: Heater (special equipment):Storage locations: Spincontrol Comfort Spincontrol Professional | short run, continuous run,10 sec – 9 h 59 min10 sec – 99 h 59 min-20 to +40°C-20 to +60°C5060 |

**Specification of expertise relevant to NanoEnviCz workpackages:**

**WP3**f,h, **WP4**a,b,c **WP5**c, **WP6**a,b,e

**Detailed description of expertise**

**Please, specify the main research topics connected with equipment:**

Centrifuge is power-driven machines that separates liquids from solid matter, liquids mixtures, or solid mixtures by centrifugal force.

**Please, specify the secondary research topics connected with equipment:**

Refrigerated centrifuge is equipped by temperature controller. Temperatures between -20°C and +40°C can be preselected. Due to the temperature controller samples depended on specific temperature can be handled.

**Keywords describing research area:**

Centrifuge, material separation, temperature setting

**Competence**

**Relevance for applied and industrial research:**

Large volume of samples of solutions can be separated.

**Relevance for fundamental studies:**

After separation both components can be further tested.