HIDEX

Hidex 600 OX Oxidizer Specifications

HIDEX

Hidex 600 OX Oxidizer is an automated combustion device for radiolabeled sample preparation. It is ideal for liquid scintillation counting (LSC) sample preparation in pharmaceutical development, environmental and chemical toxicology studies, plant biology and nuclear plant decommissioning waste material analysis. Sample is oxidized under high temperature and oxygen stream and ^{14}C and ^{3}H are collected into standard liquid scintillation (LSC) cocktail vials ready for LSC analysis.

- ✓ Touch Screen operated
- ✓ Easy-to-use software
- ✓ Samples directly ready for LSC measurement
- ✓ Minimal maintenance

Main Features

- Solid and liquid samples prepared directly into LSC cocktail for instant measurement
- Automated oxidation up to six samples in one run approximately in 30 minutes
- Gas line leak test performed before every oxidation for safe and high-performance operation
- Oxygen input regulation for challenging samples with extra high carbon content
- Minimal hazardous waste generation
- Modern and compact design
- Minimal maintenance required and the system informs the need for catalyst and combustion tube change
- Ideal for variety of samples such as tissue, bones, plant, soil, feces, blood, oil and concrete
- Minimized chemical and optical quenching and, chemiluminescence in LSC measurement
- Combustion time setting 0 – 10 minutes

Performance Specifications

Recovery average ^{14}C: 99%

Memory average ^{14}C: 0.1%

The performance is based on the use of Hidex C14 cocktail, standard cellulose paper and Hidex protocol

Requirements and dimensions

Input gases:

Oxygen	5 bar
Nitrogen	5 bar
Compressed air	5 bar
Power	230 V, 10 A (EU) or 110 V, 20 A (UL)
Width	90 cm
Height	60 cm
Depth	60 cm
Weight	85 kg

Installation into fume hood or local exhaust ventilation. Exhaust airflow 140 m^3/h.

Contact Hidex

Call us
Tel. +358 10 843 5570

Address
Lemminkäisenkatu 62
FIN-20520 Turku
Finland

Email
info@hidex.com
ari.lehmusvuori@hidex.com

www.hidex.com

28022020