

## LIMITS FOR THE KEEPING AND USE OF UNSEALED RADIOACTIVE MATERIAL

Environmental Permitting (England & Wales) Regulations 2010 (EPR)

### Wellcome Trust Centre for Human Genetics, ORC

#### Effective 1 February 2016

The adjacent table details the maximum activity of unsealed radioactive materials (referred to as “open sources”) that can be kept and used within the department at the specified location.

The limits must not be exceeded unless prior written agreement has been obtained from the University Radiation Protection Officer.

The department's limits are based on a division of the overall site limits contained in the University's Permit to keep and use open radioactive sources within the multiple departments on the combined Old Road Campus & Churchill Hospital departments (no. EPR/FB3898DS). A copy of the Permit is displayed and contains conditions that must be complied with.

#### PERSON RESPONSIBLE FOR SUPERVISING THE KEEPING AND USE OF OPEN SOURCES

Pierre Van Zijl (SRPS)

Advice on any aspect of compliance with these limits and the EPR2010 Permits may also be obtained from Mark Bradley (URPO) on 01865 270802.

Limits for keeping and use of open radioactive sources in the WTCHG, ORC at any one time	
Isotope	Activity
$^3\text{H}$	850 MBq
$^{11}\text{C}$	0
$^{14}\text{C}$	100 MBq
$^{18}\text{F}$	0
$^{32}\text{P} / ^{33}\text{P}$	250 MBq in total
$^{35}\text{S}$	1500 MBq
$^{51}\text{Cr}$	200 MBq
$^{64}\text{Cu}$	0
$^{68}\text{Ge} / ^{68}\text{Ga}$	0
$^{89}\text{Zr}$	0
$^{99\text{m}}\text{Tc} / ^{99}\text{Mo}$	0
$^{111}\text{In}$	0
$^{124}\text{I}$	0
$^{123}\text{I} / ^{125}\text{I} / ^{131}\text{I}$	250 MBq in total
$^{133}\text{Xe}$	0
Alpha emitters	0
Any other radionuclide	0