

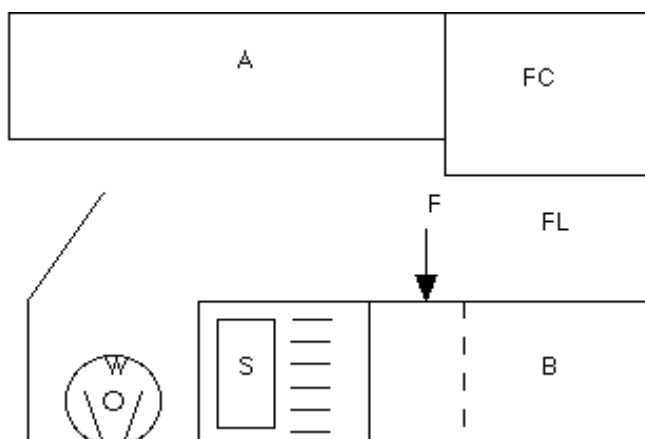


MONITORING - GENERAL GUIDELINES

A suitable monitor* should always be available when working with radioactive substances, both for use whilst you are working and for monitoring yourself and the immediate work area at the end of each work session. This routine monitoring does not need to be recorded.

A full monitoring survey of the laboratory should be performed on a regular basis and this survey should be recorded. A record book/sheet for these surveys should be kept in each laboratory and an example of what is expected is given below.

Monitoring Record Laboratory AI



Plan of Lab. -

| Date | Monitor | Isotope | Activity | Cps detected in areas monitored | | | | | | Comments | Sign | |
|---------|---------|---------|----------|---------------------------------|---|---|----|---|----|----------|---|----|
| | | | | A | B | F | S | W | FC | | | FL |
| 10.1.86 | EP15 | P-32 | 37MBq | 0 | 0 | 0 | 20 | 0 | 50 | 0 | Sink & FC cleaned, left free of contamination | |

The frequency of this survey will be dependent upon: the designation of the area; the amount of radioactive work and the frequency of the radioactive work. The following should be used as a guideline:

| | |
|-----------------------|--|
| non-designated area - | monthly |
| supervised area - | weekly |
| controlled area - | at least weekly and the same day after handling large amounts or after iodinations etc |

Monitors

| | |
|----------------|---|
| Mini EP15, BP4 | soft betas, e.g. C-14, S-35, Ca-45, P-33, and hard betas |
| Mini E | hard betas and beta-gammas, e.g. P-32, Rb-86, I-131, Na-22 |
| Mini 44A | X-ray emitters, gamma emitters & hard betas, e.g. I-125, Tc-99m, Na-22, Co-57, P-32 |
| Mini 44B | As for 44A and in addition Cr-51 and Fe-55 |

NB H-3 - no suitable monitor - do wipe tests, see [wipe test guidance](#)