



Université Libre de Bruxelles.

CONTROLE PHYSIQUE
(Protection des Radiations Ionisantes)

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Control of H3 and/or C14 contamination

1. What to check ?

- Work surfaces (hoods, bench, etc.) in hot rooms and/or in labs marked samples are handled
- Storage areas for sources and samples (refrigerators, etc.)
- Equipment used

2. When to check ?

- At the end of handling and at least once a week
- After any handling involving significant activity or after any non-routine handling of these two isotopes
- In case of suspected contamination (broken or spilled vial, etc.)

3. How to proceed ?

- Smear the surfaces to be inspected using absorbent paper (or absorbent cotton) soaked in alcohol
- Counting smear solvent by liquid scintillation
- Measure the background noise (solvent alone and possibly solvent + clean smear equipment)
- Measurement results should include :
 - date
 - controlled surface or equipment
 - measurement results
 - name of the person who carried out the checks
- 1 copy of the results will be archived in the department
- 1 copy of the results will be sent to the Health Physics Department (*)

(*) : *by internal mail : Contrôle Physique – CP 182*
via email : controle.physique@ulb.be