

The checklist below is based on this IAEA virtual course in Radiopharmacy.

Checklist 1. describes the LAF preparation and selecting of the appropriate materials for the labeling procedure :

1. Perform the preparation in a laminar air flow (LAF) cabinet
2. Use only sterile equipment and sterile licensed starting materials
3. Switch on and adjust the air flow in the cabinet to the required level
4. Clear the cabinet of any materials left from previous preparations
5. Disinfect walls and working area of LAF cabinet (e.g.70 % ethanol solution)
6. Cover the working area of the LAF cabinet with sterile absorbing material
7. Selecting the appropriate accessory materials:
8. Two 10 ml sterile syringes in protective wrapping (disinfected with swab)
9. 10-ml syringe shield (disinfected)
10. Sterile needles (sheathed) in their protective wrapping (disinfected)
11. Needle sheath holder (disinfected)
12. Two 10 ml vials of sterile 0.9% saline solution (disinfected with swab)
13. Disinfecting swabs in their protective wrapping (disinfected with swab)
14. One pair of forceps and one pair of tongs (disinfected)
15. MDP or HDP labelling vial (disinfected with swab)
16. Lead vial shield for the MDP or HDP labelling vial (disinfected)
17. Elution vial with Tc-99m (disinfected)

The steps **marked in blue** pay special attention to working under aseptic conditions.

The steps **marked in purple** pay special attention to radioation protection.