Cell Labeling with $^{35}$S-methionine

Materials:
- glutamine
- CS or FCS
- $^{35}$S-methionine- shelf of -80°C freezer
- DME (minus: methionine, glutamine, sodium pyruvate) Gibco

Procedure:
1. To label one P100(P150), prepare the following mixture first, in 50ml Falcon, in hood:
   a. 1x final glutamine = $35\lambda(90\lambda)$ of 100X per P100(P150) plate
2. For a short label, if all components are handled sterilely, you don't have to filter sterilize. For longer label, or, if you are concerned, filter sterilize with a 0.22um syringe filter and appropriate syringe.
3. Aspirate media.
4. Wash plate with met-DME 3X (3ml or 5ml for P100 or P150 respectively). Aspirate well after each wash.
5. Add labeling media. Add to corner of plate. Don't splash.
6. Place plate in plexiglass box with activated charcoal in another open P100 plate. Wedge open labeling box lid for ~30min and then close top and open vent. Incubate at 37°C in 10% CO$_2$ for 4.5-5.5 hrs.

Check work areas and yourself for radioactive contamination. Record results.