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### Western blot analysis of $^{14}\text{C}$ -labelled membrane proteins.

A constant amount of liver microsomal proteins were incubated with different concentrations of a [ $^{14}\text{C}$ ]-inhibitor of a sugar transporter. Then, using a non-specific crosslinker, the protein-inhibitor complex was stabilised. The samples were loaded on to an 11% SDS-PAGE and blotted onto PVDF membrane. The Enhanced Autoradiography process invented by Frank Fox (patent applied for) was then applied to the membrane.

The autoradiogram shown was obtained after 48 hours exposure of the membrane in a cassette at  $-80^{\circ}\text{C}$ . There is only one visible set of bands even after several weeks of exposure (figure 1).

Identical results were previously obtained in our laboratory but after 3 - 4 weeks exposure with a BIO-RAD phosphor-imager or after 6 - 8 weeks exposure with conventional autoradiography film.

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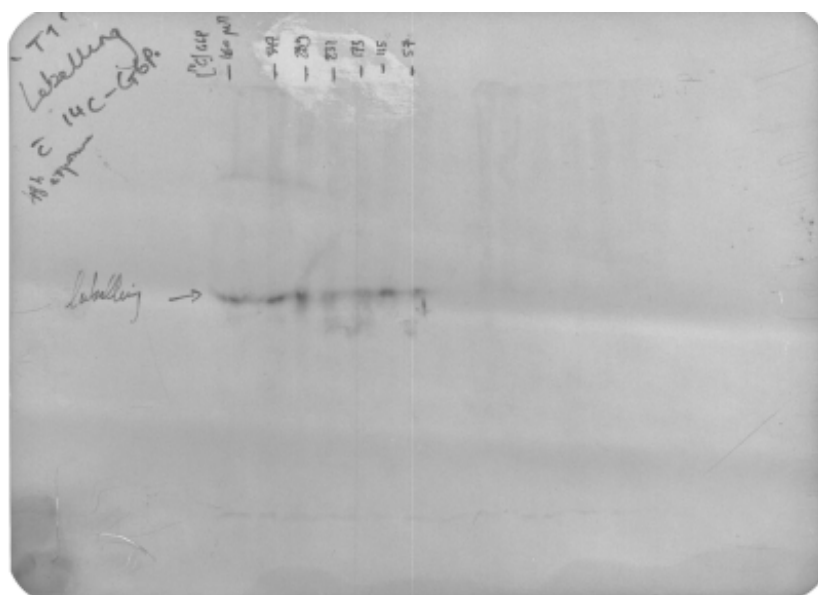


Figure 1: Western blot analysis of  $^{14}\text{C}$ -labelled membrane proteins.