AULA VIRTUAL de RADIOFARMACIA

Plataforma Virtual de Formación Continuada en Radiofarmacia
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Lectura recomendada

[^{18}F]Fluoride recovery via gaseous [^{18}F]HF

Bente Mathiessen, Mikael Jensen, Fedor Zhuravlev

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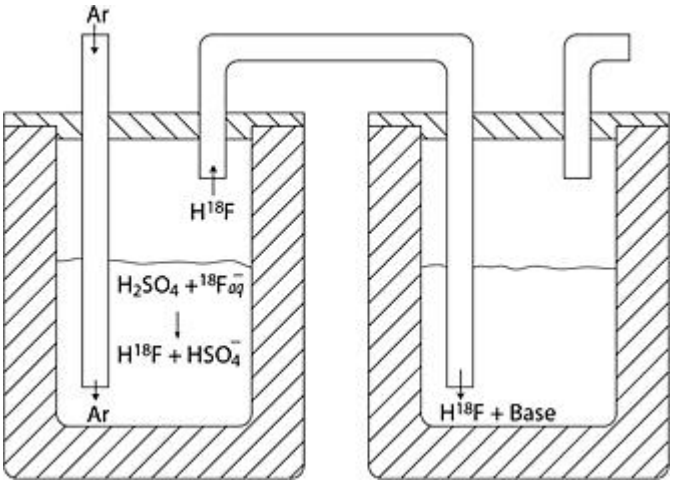

Acidification of target water with H_2SO_4 in a specially constructed glassy carbon/polyethylene apparatus allowed for recovery of up to 82% of [^{18}F]fluoride as [^{18}F]HF gas. The [^{18}F]HF distillate was found to be acid-free but moist; when passed through a solution of ^{t}BuPh$_2$SiOTf, it yielded [^{18}F]^{t}BuPh$_2$SiF. The multivariate design of experiment showed that the key to high yield of [^{18}F]HF was the efficient degassing of the reaction mixture.

Colabora con Farmacéuticos Mundi (**FarmaMundi**) **(**http://www.farmaceuticosmundi.org/**)**