Template Provided By:

Cancer Imaging Program
National Cancer Institute

Supply Sheet for Production of [^{18}F]-Fluoroestradiol

Kit Number: **S-FES-_____** Expiration Date: _____ Number of kits prepared:_____

This form is provided so supplies can, if desired, be assembled ahead of the synthesis of [^{18}F]-FES, in multiple "kits". Kits should be stored in sealed low particle containers labeled with the kit batch number (S-FES) and expiration date. Ethanol can be repackaged, aseptically, in sterile 15 mL polypropylene Falcon tubes. The kit expiration date is the earliest reagent expiration date. Whether done in batches or for a single synthesis, here must be a kit form associated with each radiosynthesis.

REAGENTS/SOLUTIONS

Reagent/Solution	Internal Tracking Number/Identification	Quantity
Sodium bicarbonate 4.2% solution	**SS-BIC-_____**	1vial (5 mL)
0.9% Sodium Chloride Solution, for inj, USP (preservative free)	**SS-NSI-_____**	1 vial (20 mL)
0.1 M K_2CO_3 (0.5 ± 0.05 mL)	**KCO2-__-_____**	1 vial
Kryptofix [2.2.2] 15 mg / 2 mL in CH_3CN (2.0± 0.2 mL)	**KRYP-__-_____**	1 vial
0.5 M HCL (1.0 ± 0.05 mL)	**HCL-__ -_____**	1 vial
PBS for dilution, USP (pH buffer)	**SS-NAP-__ -_____**	1 vial
Water for injection, sterile USP, to add to product vial	**SS-WFI-_____**	1 vial (10 mL)

SUPPLIES

Supply Description	Internal Tracking No./ Identification	Quantity
Sterile Syringe, 1 mL, no silicone or latex (for Vials 1, 4 additions / FSC washes)		4
Sterile Syringe, 3 mL , no silicone or latex (for Vials 2, 3, 5 additions)		4
Sterile Syringe,10 mL, no silicone or latex (for H_2O / acetone additions)		3
Sterile Disposable Syringes 0.5 mL with attached needle for QC		1
Sterile Disposable Syringe 1 mL for sterility samples and phosphate		2
Sterile Disposable Syringe 5 mL for 70% ethanol		1
Sterile Disposable Syringes 10 mL for water for injection addition to product vial		1
Sterile Disposable Syringe 20 mL to rinse Al_2O_3 cartridge and to add saline		2
Aluminum oxide cartridge (lite)	**SS-SPC-_____**	1
Disposable Needles to fill vials (23 or 25G X > 2½" long work well)		4
Disposable 22G or smaller X 1 ½" syringe needles		13 ea
Disposable 16G or smaller X 1 ½" syringe needle		1
Sterile Vent Filter 0.2 µm Millex SLGS V25 5F (for the FX_{FN} box)	**SS-SVF-_____**	4
[^{18}F] Separation Cartridge	**SS-FSC-_____**	1
Sterilizing Filter 0.2 µm	**SS-SPF-_____**	2
Sterile Vented Filter Needle (for product vial)	**SS-VFN-_____**	1
Empty Sterile Vial, 30 mL (product vial)	**SS-SBV-_____**	1
Alcohol Swabs		qs(>7)
Disposable test tube (~16 X 150 mm) to collect wash waste	**Not Applicable**	1
Labels for product vial	**Not Applicable**	2 sets

Prepared By: _____**Date:** _____ **Checked By:** _____**Date:**_____
Signature *Signature*

Author:_____**Date:**_____
Regulatory:_____**Date:**_____

Cancer Imaging Program, *Confidential--Use and restriction of this document is set forth in Transfer Agreement executed with the National Cancer Institute (NCI).*