

## High Performance Dioxin/Furan Immunoassay

### Materials List for Kit DF1-ST-A (small starter package)

This package is intended for the first time user. It contains the EIA tubes and reagents of two DF1-12 kits plus selected items needed for start-up.

#### Materials provided by CAPE Technologies

- 1 decanting test tube rack with assembly instruction sheet
- 1 bag of uncoated tubes (rims marked black) for pipetting practice and photometer blanking

#### two DF1-12 Kits, each of which includes the following:

- Kit insert (IN-DF1)
- Brief Summary of Immunoassay Protocol (PS-DF1)
- 20 Anti-Dioxin “**Antibody Coated Tubes**” (1 bag of 20 tubes with indicating desiccant)
- 1 vial of 0.5 mL of neat **Triton X-100**
- 1 vial of keeper stock solution (Triton X-100 in tetraethylene glycol)
- 1 bottle “**Sample Diluent**” (12 mL/bottle)
- 1 bottle “**Competitor-HRP Conjugate**” (12 mL/bottle)
- 1 bottle “**HRP Substrate Solution**” (12 mL/bottle)
- 1 bottle “**Stop Solution**” (12 mL/bottle)



#### Materials provided by Wellington Labs (not shown)

- one 1 mL glass ampoule of negative control (80:20 methanol:tetraethylene glycol plus 100 ppm Triton X-100)
- four dioxin standards (0.064, 0.2, 0.64, and 2.0 ng/mL 2,3,7,8-TCDD in negative control) in 1 mL glass ampoules
- DF1-CS1 (check sample of 180 pg/mL 2,3,7,8-TCDD in 500  $\mu$ L of toluene)
- DF1-CS2 (check sample of 600 pg/mL 2,3,7,8-TCDD in 500  $\mu$ L of toluene)

Additional sets of standards and check samples must be ordered from Wellington Laboratories or one of their distributors (see <http://www.well-labs.com/contactus/contact.html>).