

Preparation of Eicosanoid Internal Standards Deuterated
1/27/2005

Stock solutions are all from Cayman and all contain 100ng/ul compound.

The internal standard contains 0.1 ng/ μ l of each of the following deuterated eicosanoids in 50/50 ethanol/water:

Compound	Deuteration	Cayman Cat#	Concentration
PGF _{2α}	D4	316010	100 ng/ul
PGE ₂	D4	314010	100 ng/ul
PGD ₂	D4	312010	100 ng/ul
15-deoxy PGJ ₂	D4	318570	100ng/ul
5 Hete	D8	334230	100 ng/ul
AA	D8	390010	100 ng/ul

An "Int STD Working Stock 10X" is made by adding 40 ul of each standard to 3760 ul of 50/50 ethanol water. (This is barcoded with the solution app and this protocol.)

The "Int STD" is made for each experiment by a 10 fold dilution of the working stock (usually 400 ul to 4000 with 50/50 ethanol water). (This is barcoded via the new solution application.)

100 ul of the Int STD is added to each sample.