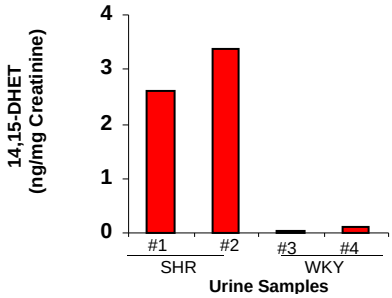
Metro Center for High Technology Bldg.
2727 Second Ave. Suite 4113
Detroit, MI 48201
Phone: (313) 961-1606; Fax: (313)963-7130
Email: info@DetroitRandD.com
Web: www.DetroitRandD.com

Hypertension ELISA (14,15-DHET) kit

Cat # DH 1: ELISA kit for measuring 14,15-DHET in biological samples

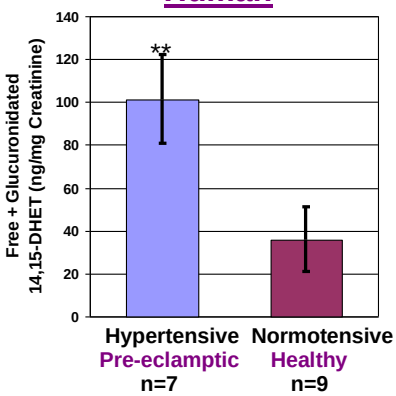
The 14,15-DHET is a representative metabolite of soluble epoxide hydrolase (sEH)-mediated metabolism of EETs, generated by arachidonic acid epoxygenase activity of cytochromes P450 (CYPs) 2C and 2J. This competitive ELISA kit with an HRP system has been used to determine 14,15-DHET levels in biological samples (tissue, plasma and urine) and cell culture media. Using the 14,15-DHET ELISA, strong positive correlation has been discovered with 14,15-DHET levels on hypertension and brain injury and stroke, and EET levels on a metastatic phenotype of carcinoma cells and insulin resistance. Next generation hypertension drug discoveries have been carried out at several laboratories. Each kit for a 96-well plate is good for triplicate analyses of up to 24 samples.

Rat



SHR: Spontaneously Hypertensive Rats
WKY: Normotensive Wistar Kyoto Rats

Human



**Significantly different at 98% confidence (p<0.02)

(Left) Higher levels of urinary 14,15-DHET in spontaneously hypertensive rats.
(Right) Urinary 14,15-DHET levels of pregnancy-induced hypertensive (preeclamptic) women were significantly different at 98% confidence (p<0.02) from healthy pregnant women

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