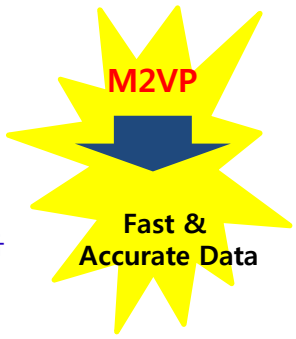
Anti-Aging Biomarkers

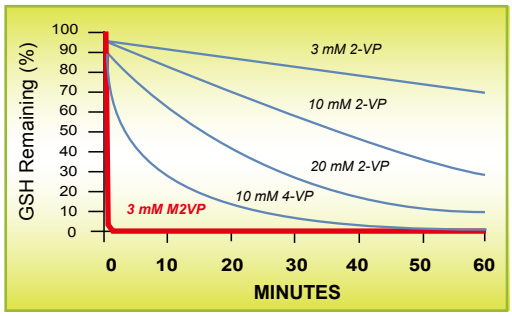
Antioxidant **Glutathione**

GSH/GSSG-412 ASSAY

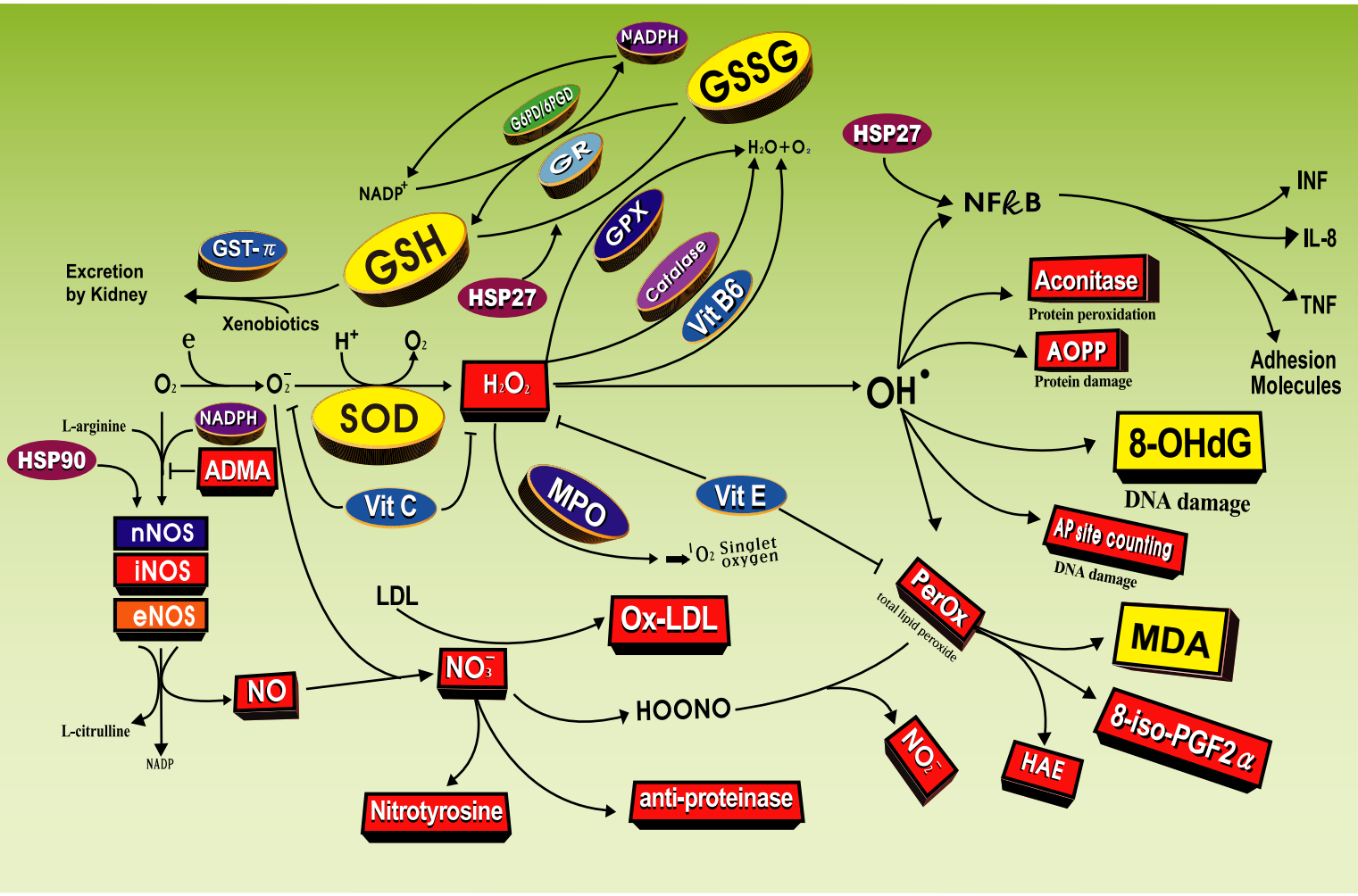
- GSH 또는 GSSG 측정
- GSH/GSSG의 **비율**측정
- **타사 제품에 비해 빠르고 효율적인 GSH 제거!!!**
  → **M2VP :** 10분이내 99% GSH 제거
  → Glutathione Reductase의 activity에 영향 없음

- Microplate reader 사용시 500 test 이상 측정
- Whole blood, Tissue, Plasma





GSH scavanging rate between M2VP vs. VP



Antioxidant **SOD**

SOD Assay Kit-WST

- SOD의 100% inhibition 측정 가능한 유일한 kit
- Microplate 이용한 쉬운 측정
- pH에 영향을 받지 않는 IC_{50} 측정
- Cell& Tissue homogenates, Erythrocytes, Serum, Plasma, Extracellular SOD, Wine

Lipid Peroxidation Marker **Malondialdehyde (MDA)**

MDA-586 ASSAY

- Free & total MDA 측정 가능
- Cell & Tissue homogenates, Serum

LPO-586 ASSAY

- MDA 측정
- MDA + HAE 측정
- Cell & Tissue homogenates, Serum

DNA damage Marker **8-OHdG**

8-OHdG EIA

- High specificity & High sensitivity
- Easy operation & speedy
- No Southern, No IHC
- Urine, DNA, Tissue, Serum, Plasma

OXIS International, Inc. | R&D SYSTEMS | Immun Diagnostik | DOJINDO | (주)웅비메디텍 WOONGBEE MeDiTech, Inc.

Anti-Aging Biomarkers

구분	제품명	Cat No.	측정 물질	Size	Method
Antioxidant	**GSH/GSSG-412**	21040	GSH (reduced glutathione) and GSSG (oxidized glutathione)	2x100 T	CUVET / 96wells
	SOD-Assay Kit-WST	S311	Cu/Zn, Mn, or Fe-SOD	500 T	96wells
	GSH-420	21023	total glutathione (reduced+oxidized)	100 T	CUVET
	GSH-400	21011	reduced Glutathione	100 T	CUVET
	cGPX-340	21017	cellular glutathione peroxidase	100 T	CUVET
	GR-340	21018	glutathione reductase	100 T	CUVET
	GST-π	K 7960	glutathione-S-transferase-π	96 T	96wells
	Catalase-520	21042	catalase	100 T	CUVET
	Vitamin A/E	KC 1600	retinol/tocopherol	100 T	HPLC
	Vitamin C	KC 2900	ascorbic acid	100 T	HPLC
Oxidative Damage	**MDA-586**	21044	malondialdehyde	100 T	CUVET
	LPO-586	21012	MDA/4-hydroxyalkenals	100 T	CUVET
	HS 8-OHdG Check	KOG-HS10E	8-hydroxydeoxyguanosine	96 T	96wells
	PerOx	KC5100	oxidative capacity	96 T	96wells
	OxLDL	KC5400	oxidized LDL	96 T	96wells
	H_2O_2-560	21024	hydrogen peroxide	100 T	CUVET
	DNA Damage Quant.	DK02-103-12	AP site of DNA	96 T	96wells
	Aconitase-340	21041	aconitase	100 T	CUVET
	AOPP	K7811w	Protein Oxidation	96 T	96wells
	NT-EIA™	21055	nitrotyrosine	2x 96T	96wells
Total Oxidative Capacity	**ImAnOx**	KC5200	Antioxidative capacity	96 T	96wells
Nitric Oxide	**Total NO, NO_2^-/NO_3^- kit**	KGE001	total NO, NO_2^-/NO_3^-	2x96 T	96wells
	eNOS ELISA kit	DEN00	endothelial NOS	96 T	96wells
	iNOS ELISA kit	DNS00	inducible NOS	96 T	96wells
	ADMA	K7828	asymmetric dimethylarginine	96 T	96wells
Eicosanoids	**LTB4**	KGE006	Leukotriene B4	96 T	96wells
	Urinary 8-EPI-PGF2a	21048	urinary 8-Epi-prostaglandin-F2a	96 T	CUVET
	PGE2	KGE004	Prostaglandin E2	96 T	96wells

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