

Global Arginine Bioavailability ratio (GABR) ELISA pack – Serum, Plasma

Ref: ISE-451000R

This ELISA pack provides an easy way to assess the plasma/serum Global Arginine Bioavailability Ratio (GABR), defined as arginine/[ornithine + citrulline]. The GABR indicates the availability of arginine for Nitric Oxide production. Low GABR may serve to assess endothelial dysfunction, atherosclerosis, and cardiovascular disorders.

Sample type 20 µl serum or plasma samples

Kit capacity 3 x 96 tests

Sensitivity ARG: 2.1µM ORN: 8.5µM CIT: 1.47µM

Range ARG: 5.12 - 200µM ORN: 20 - 781.25µM CIT: 6.4 - 250µM

Reactivity Reacts with all species

INFORMATIONS

Product overview

Product name	Global arginine bioavailability ratio (GABR) ELISA pack
Description	Tfree enzyme immunoassays (ELISA) allowing the quantitative determination of L-Arginine, L-Ornithine and L-Citrulline in plasma/serum samples. For research use only
Labels	RUO
Format	3 x 96-well plate
Samples	Serum, Plasma
Minimum sample volume	20µL
Reactivity	Reacts with all species
Standard range	ARG: 5.12 – 200µM ORN: 20 – 781.25µM CIT: 6.4 – 250µM
Sensitivity	ARG: 2.1µM ORN: 8.5µM CIT: 1.47µM
Specificity	No significant cross-reactivity was observed with analogs for each kit. See product pages for Arginine ELISA , Ornithine ELISA , and Citrulline ELISA
Storage	Store at 2-8°C for to 6 months
Datasheets	Instructions for use – ARG kit , Instructions for use – ORN kit , Instructions for use – CIT kit Safety datasheet ARG/CIT , Safety datasheet ORN

PROTOCOLS

Sample collection & storage

Plasma: Use EDTA as anticoagulant
Serum: Do not use lipemic, haemolytic samples, as well as samples containing precipitates or fibrin strands. Store samples at 2-8°C for up to 48h or -20°C for longer period (up to 6 months)

Sample preparation

Sample preparation (3 hours)

ELISA

Antisera overnight incubation, revelation and read steps (1h)

Detailed protocol

[Instructions for use - ARG kit](#), [Instructions for use - ORN kit](#), [Instructions for use - CIT kit](#)

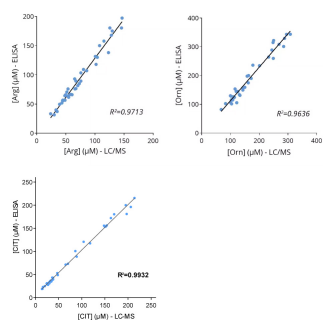
REFERENCES

Not yet cited

Product pictures



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Cross-validation of L-Arginine, L-Ornithine, and L-Citrulline ELISA and LC/MS data in human plasma samples

Contact information

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To order, review, ask for technical support, visit product page at:

<https://www.immusmol.com/shop/global-arginine-bioavailability-ratio-gabr-elisa-pack-serum-plasma/>