

Kynurenine/Kynurenic Acid/Quinolinic Acid ELISA pack (3- KYNs ELISA pack)

Ref: ISE-220102R

The Kynurenine/Kynurenic Acid/Quinolinic acid ELISA pack enables quantitative measurements of tryptophan catabolism along the kynurenine pathway in large numbers of samples. Intended for research use only, the three kits included in the pack are ready to use. Highly sensitive, with a minimum sample volume of 25-50µL, they enable pre-clinical and clinical sample testings.

Sample type Plasma, Serum

Kit capacity 3 x 96 tests

Sensitivity LoD KYN: 47.5ng/ml LoD KYNA: 0.53ng/ml LoD QA: 6ng/ml

Range KYN: 100 - 10000ng/ml KYNA: 1.40 - 74ng/ml QA: 25 - 2000ng/ml

Reactivity Reacts with all species

INFORMATIONS

Product overview

Product name	Kynurenine/Kynurenic Acid/Quinolinic Acid ELISA pack
Description	Three enzyme immunoassays (ELISA) allowing the quantitative determination of L-Kynurenine, Kynurenic acid and Quinolinic acid in serum samples. For research use only
Labels	RUO
Format	3 x 96-well plate
Samples	Serum
Minimum sample volume	20-50µL
Reactivity	Reacts with all species
Standard range	KYN: 100 - 10000ng/ml KYNA: 1.40 - 74ng/mlQA: 200 - 2000µg/ml
Sensitivity	LoD KYN: 47.5ng/ml LoD KYNA: 0.53ng/ml LoD QA: 6ng/ml
Specificity	No significant cross-reactivity was observed analogs for each kit. See product pages for L-Kynurenine ELISA , Kynurenic acid ELISA and Quinolinic acid ELISA
Storage	Store at 2-8°C for to 6 months
Datasheets	Instructions for use - KYN kit , Instructions for use - KYNA kit , Instructions for use - QA kit

PROTOCOLS

Sample collection & storage 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 KYN: Sample acylation (90 min)
KYNA: Sample derivatization (90 min)
QA: Sample acylation (120 min)

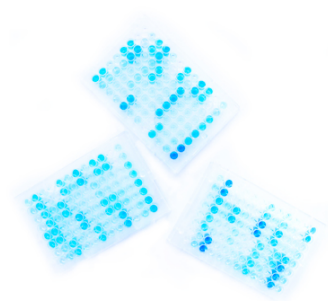
ELISA Antisera overnight incubation, revelation and read steps (1h)

Detailed protocol [Instructions for use - KYN kit](#), [Instructions for use - KYNA kit](#), [Instructions for use - QA kit](#)

REFERENCES

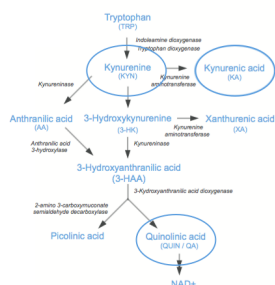
Product citation

Product pictures



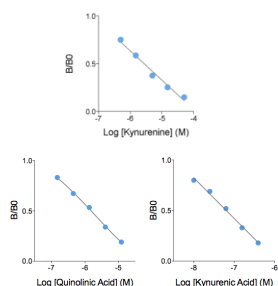
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KYN, KYNA and QA along the Kynurenine Pathway

Kynurenine (KYN), Kynurenic acid (KYNA) and Quinolinic acid (QA) are downstream metabolites produced along the Kynurenine Pathway well-known to possess several neuromodulatory functions, as well as immuno-modulatory properties. Measurement of KYNA and QA in biological samples has been presented as possible biomarkers in several diseases.



KYN / KYNA / QA ELISA pack - Standard curves

Examples of standard curves obtained with the Kynurenine, Kynurenic acid and Quinolinic acid ELISA kits. In these competitive ELISA, optical density is invertly correlated with Kynurenine/Kynurenic acid/Quinolinic acid levels. Only serves as example - do not use for calculation.

Contact information

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

<https://www.immusmol.com/shop/kynurenine-kynurenic-acid-quinolinic-acid-elisa-pack-3-kyns-elisa-pack/>