

# 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

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**Kit capacity** 3 x 96 tests

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

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

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**Reactivity** Reacts with all species

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**References** [Individual kits cited in over 40 papers](#)

## INFORMATIONS

### Product overview

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

## PROTOCOLS

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**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)

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**Sample preparation** KYN: Sample acylation (90 min)  
KYNA: Sample derivatization (90 min)  
QA: Sample acylation (120 min)

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

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

## REFERENCES

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**Product citation**

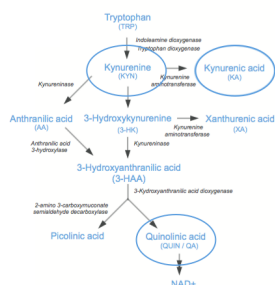
## Product pictures

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

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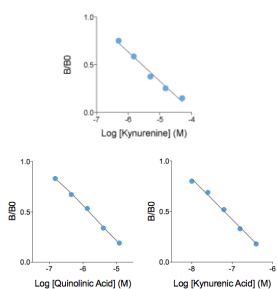


### KYN, KYNA and QA along the Kynurenine Pathway

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.



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



### 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/>