

BA-E-2700

## L-Tryptophan ELISA kit

The L-Tryptophan ELISA kit offers a robust and sensitive method for the quantitative measurement of L-Tryptophan in biological fluids and cell culture supernatants. Designed for both in vitro diagnostic and research applications, the assay is formatted on a 96-well plate — ideal for the rapid processing of large sample cohorts. This assay enables precise quantification from minimal sample volumes (as low as 20 µL) and has been cross-validated by LC-MS, ensuring excellent analytical performance. Applicable to all species, the kit has been successfully used in peer-reviewed studies involving human, monkey, dog, pig, mouse, rat, rabbit, and insect samples. Whether in basic research, preclinical development, or clinical investigations, this ELISA provides a reliable tool for studying tryptophan metabolism.

[Cited in 61 papers](#)



<b>Sample type</b>	Biological fluids (urine, plasma, serum, ...), cell culture supernatant
<b>Capacity</b>	96 tests
<b>Sensitivity</b>	LoD: < 1.2µg/mL
<b>Range</b>	2.5 – 250µg/mL
<b>Assay time</b>	Sample prep (2h30), overnight incubation, ELISA revelation & read step (1h)
<b>Reactivity</b>	Reacts with all species
<b>Application</b>	Research use & in vitro diagnostics <b>(IVD label in EU only)</b>
<b>Storage</b>	Store at 2-8°C for up to 6 months
<b>Sample collection &amp; storage</b>	Urine: spontaneous or 24-hour urine collected in bottle with 10-15 mL of 6 M HCl, stored at -20°C for long periods (up to 6 months) Plasma/Serum: EDTA-, Heparin- or Citrate- samples stored at 2-8°C for up to 48h or -20°C for longer period (up to 6 months). Do not use haemolytic or lipemic samples
<b>Sample preparation</b>	Sample precipitation (15 min) and derivatization (2h15)
<b>ELISA</b>	Antisera overnight incubation, revelation and read steps (1h)

*To see data, publications, and download instructions for use and MSDS, visit:*  
[\*https://www.immusmol.com/product/l-tryptophan-elisa-kit/\*](https://www.immusmol.com/product/l-tryptophan-elisa-kit/)