

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](#)



Sample type	Biological fluids (urine, plasma, serum, ...), cell culture supernatant
Capacity	96 tests
Sensitivity	LoD: < 1.2µg/mL
Range	2.5 – 250µg/mL
Assay time	Sample prep (2h30), overnight incubation, ELISA revelation & read step (1h)
Reactivity	Reacts with all species
Application	Research use & in vitro diagnostics (IVD label in EU only)
Storage	Store at 2-8°C for to 6 months
Sample collection & storage	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
Sample preparation	Sample precipitation (15 min) and derivatization (2h15)
ELISA	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/>