

# Histamine elimination ratio (HERO)



Discover our new **HERO ELISA**  
to support a histamine intolerance diagnosis

- quantitative determination of histamine elimination in serum
- indicates whether the degradation of histamine is disturbed because DAO is inhibited, e.g. due to medications or alcohol

# What is HIT?

Histamine intolerance (HIT) is a metabolic or degradation disorder of histamine, a biogenic amine formed from the amino acid histidine and naturally present in animal and plant cells.

Diamine oxidase (DAO) is the body's most important enzyme for breaking down histamine. The enzymatic activity of DAO determines the rate of histamine elimination. In the case of DAO deficiency or DAO inhibition, the organism can't eliminate histamine ingested with food or released from the body's own cells quickly enough, and the symptoms of histamine intolerance occur.

As a **new instrument for the laboratory diagnostic clarification of DAO inhibition**, we offer the determination of the **histamine elimination ratio (HERO) (K 8215)**. This test is a valuable addition to the determination of DAO and histamine and helps to distinguish between DAO inhibition and DAO deficiency.

## DAO Inhibitor

- normal DAO concentration
- but high histamine level
- Histamine degradation is not possible due to an activity deficit of the DAO caused by inhibition as a result of drugs or alcohol

## DAO Deficiency

- DAO deficiency is present (e. g. due to inflammatory bowel disease, colon cancer, sugar malabsorption, food allergy)
- high histamine level

### Histamine elimination ratio (HERO)

Matrix	Serum
Sample volume	225 µl
Test principle	ELISA
Cat. No.	K 8215

- For the quantitative determination of the level of **histamine elimination** in serum
- Indicates whether the **degradation of histamine is disturbed** because DAO is inhibited, e.g. due to medications or alcohol.



## Want to learn more?

Our *IDK*® experts are here for you!

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