EuroProxima

CHLORAMPHENICOL FAST ELISA (5091CAPF)

General

The Chloramphenicol Fast (CAP) ELISA is a competitive enzyme immunosorbant assay for the detection of CAP and its major metabolite (CAP-glucuronide) in a variety of matrices. This kit has a unique sensitivity, robustness and reproducibility, which has resulted in a leading market position for already several years.

Kit characteristics

- ***Antibody cross reactivity:***

CAP	100%
CAP glucuronide	100%
Thiamphenicol	< 1%
Florphenicol	< 1%

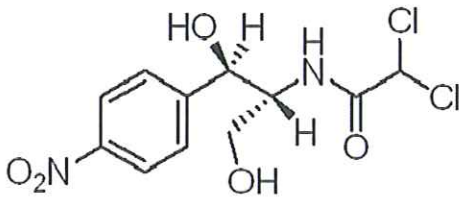
- ***Kit contents:***

Microtitre plate, 12 x 8, break 4 wells
Sample dilution buffer (20 ml, 4x concentrated)
Rinsing buffer (30 ml, 20x concentrated)
Substrate solution (12 ml, Ready to use)
Stop solution (15 ml, Ready to use)
Conjugate (lyophilised)
Antibody (lyophilised)
CAP standards, 1 ml ready to use 0.04, 0.1, 0.2, 0.4, 1, 4 and 100 ng/ml
Reconstitution/zero standard buffer (10 ml)

Inter Assay variation:	8%
Intra Assay variation:	6%

- ***Shelf life:***

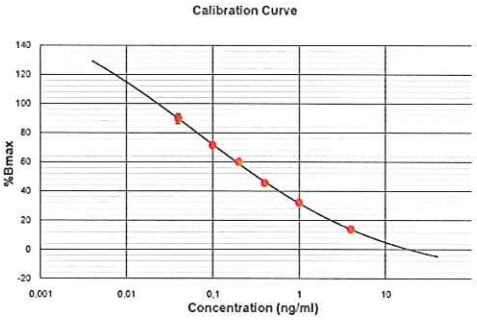
Maximum 16 months.
Kit components are reusable after opening the kit



Chemical structure of chloramphenicol

Assay procedure

Antibody, conjugate and sample/standard are pipetted into the wells of the microtitre plate and incubated for 30 minutes at room temperature (20°C - 25°C).
After a washing procedure ready to use substrate is added and incubated for 15 minutes at room temperature. Stop the reaction and read in a spectrophotometer at 450 nm.
A calculation program is available upon request.



Assay characteristics

Matrices and sample preparation	*Procedure*	*LOD (ppb)*
Urine	direct	0.5 ng/ml
Milk	direct	0.2 ng/ml
Serum	direct	0.2 ng/ml
Urine	ethyl acetate extraction	0.02 ng/ml
Milk	ethyl acetate extraction	0.02 ng/ml
Egg	ethyl acetate extraction	0.02 ng/g
Tissue	ethyl acetate extraction	0.02 ng/g
Liver	ethyl acetate extraction	0.02 ng/g
Honey	ethyl acetate extraction	0.02 ng/g
Feed	ethyl acetate extraction	0.5 ng/g

LOD(Limit of Detection) and Recovery data; Validation according SANCO/1085/2000.
Other matrices available upon request (Royal Jelly)

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