



CHLORAMPHENICOL ELISA (5091CAP)

General

The Chloramphenicol (CAP) ELISA is a competitive enzyme immunoassay 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

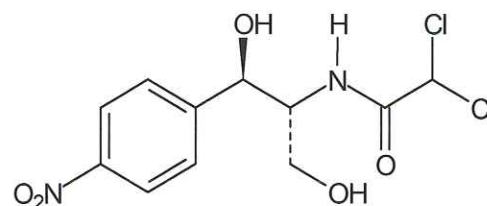
• **Antibody cross-reactivity:**

| | |
|-----------------|------|
| CAP | 100% |
| CAP glucuronide | 65% |
| CAP-base | < 1% |
| Thiamphenicol | < 1% |
| Florphenicol | < 1% |

• **Kit contents:**

Microtiter 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 0.025, 0.05, 0.1, 0.2, 0.5, 2 and 100 ng/ml
 Reconstitution/zero standard buffer (10 ml)

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



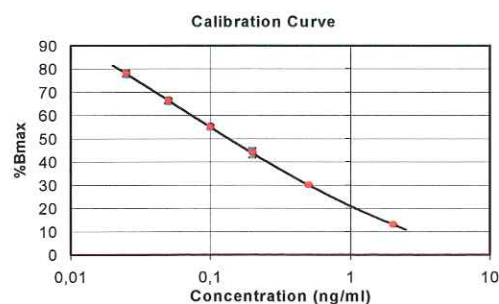
Chemical structure of chloramphenicol

Assay procedure

Antibody, conjugate and sample/standard are pipetted into the wells of the microtiter plate and incubated for 1 hour at 2°C - 8°C.

After a washing procedure ready to use substrate is added and incubated for 30 minutes at RT. Stop the reaction and read in a spectrophotometer at 450 nm.

A calculation program is available upon request.



Assay characteristics

Matrices and sample preparation

Urine, milk, milkpowder: direct after dilution, defatting.
 Urine, milk, serum: ethylacetate extraction, defatting.
 Tissue*¹, egg, honey: ethylacetate extraction, defatting.
 Feed: ethylacetate extraction, defatting.

LOD (ppb)*²

0.1
 0.01
 0.02
 0.1

*¹ Tissues: meat, crab, shrimp, fish, liver.

*² LOD(Limit of Detection); Validation according SANCO/1085/2000.
Other matrices available upon request (Royal Jelly)