

Carp vitellogenin standard

Contents

Each vial normally contains 5-10µg purified carp vitellogenin (Vtg). The content of the vial may vary from batch to batch, see exact amount on the label of each vial.

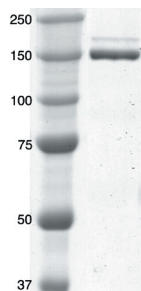
Source of vitellogenin

Carp (*Cyprinus carpio*) induced with 17β-estradiol.

Purification procedure

Carp vitellogenin was purified from plasma of 17β-estradiol-induced fish by selective precipitation with MgCl₂ in the presence of EDTA, essentially as described by Norberg and Haux (1) and Arukwe et al (2).

kDa
MW standard
Carp Vtg



Applications

The lyophilized carp Vtg may be used as a positive control in western blot and ELISA. Freshly reconstituted Vtg may also be used as standard in a quantitative ELISA.

Figure 1: SDS-PAGE with 1 µg Vtg applied per well. The gel was stained with Coomassie Blue.

Storage

Lyophilized vitellogenin can be stored at 4°C. We recommend reconstitution in 300-1000 µl cold PBS immediately before use. Do not freeze and thaw if Vtg is used as a quantitative standard. For use only as a positive control the solution may be aliquoted and stored at -20°C. Avoid repeated freezing and thawing.

Note: If the solution of vitellogenin after reconstitution appears turbid, add 1-2 µl of 0.2 M EDTA, pH 7.7 until the solution becomes clear.

For research use only

References

- 1) Norberg, B. and Haux, C. (1988) *Fish Physiol. Biochem.* 5, 59-68.
- 2) Arukwe, A., Knudsen, F. R. and Goksøyr, A. (1997) *Environ. Health Perspect.* 105, 418-422