

## Bisphenol A

Bisphenol A (BPA) is well known toxicant whose estrogenic activity has been known for a long time. BPA interferes with the normal function of endocrine system, recently was found that it has a negative effect on in vivo fertility on animals, it can probably have a similar effect on the increase of human infertility.

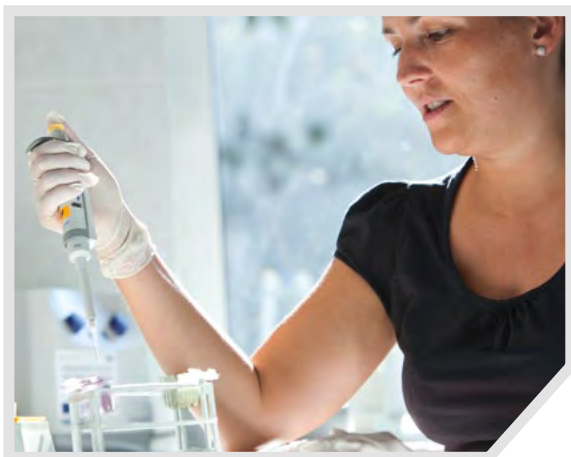
ELISA-VIDTEST Bisphenol A kits are intended for detection of bisphenol A in environmental samples.

### ELISA-VIDTEST

REF	Product	Method	Evaluation	Wells	Sample	Sample extraction	Limit of detection
ODZ-041	Bisphenol A	ELISA	quant.	96	soil, water	Yes	10 ng/mL

### Why using ELISA-VIDTEST Bisphenol A:

- Possible new screening method
- Pollution monitoring without using HPLC
- Incubations at laboratory temperature
- Many tested samples in one test run
- Ready to use standards



## Pollutants

### Microcystin-LR

Microcystin-LR is a toxic compound produced by cyanobacterial genera *Microcystis*, *Anabaena*, *Nostoc* and *Planktothrix*, which are part of algal blooms that appear during vegetational season due to the eutrophication. Eutrophication is often the result of anthropogenic pollution of water.

Microcystin-LR acts primarily as a hepatotoxin. Long-term exposure to MC-LR can cause chronic liver injury and death. MC-LR has toxic effect also on kidney, lungs and intestine, therefore WHO recommends rigorous monitoring of drinking water resources. WHO provisional guideline value for drinking water is 1,0 µg/L.

Microcystin-LR can cause also allergic reactions such as eczema, or else immunodeficiency, which may result in an increase of virus infections during the summer. Microcystin-LR should be regularly monitored also in recreational bathing waters.

ELISA-VIDITEST Microcystin-LR kit is intended for the detection of microcystin in water samples.

#### ELISA-VIDITEST

REF	Product	Method	Evaluation	Wells	Sample	Limit of detection
ODZ-165	Microcystin-LR	ELISA	quant.	96	water	1,0 µg/L

#### Why using ELISA-VIDITEST Microcystin-LR:

- Possible screening method
- High sensitivity
- Limit of detection 1,0 µg/L
- Ready to use standards and HRP conjugate
- Incubations at laboratory temperature
- Easy sample pretreatment – only filtration is recommended



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