



XenoScreen YES YAS XenoScreen XL YES YAS Endocrine Disruptor Assay

- Rapid, high-sensitivity, combined YES (estrogen) and YAS (androgen) test kits for the determination of hormonally active compounds in environmental, chemical and cosmetic samples
- The tests are designed to identify both activating (agonistic) and inhibiting (antagonistic) properties of test samples ranging from fresh water, waste water, aqueous extracts and leachates to chemical or cosmetic compounds and mixtures
- High sensitivity up to: 4×10^{-12} M (LoD)
- Standardized procedure with step-by-step instruction manual for first-time success

XenoScreen YES YAS, Xenoscreen XL YES YAS Endocrine Disruptor Assays

Endocrine disruptors are chemicals that may interfere with the body's endocrine system and produce adverse developmental, reproductive, neurological and immune effects in an intact organism.

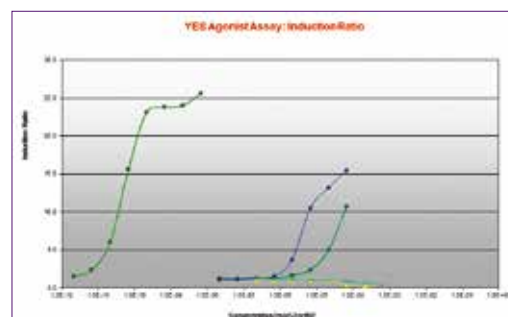
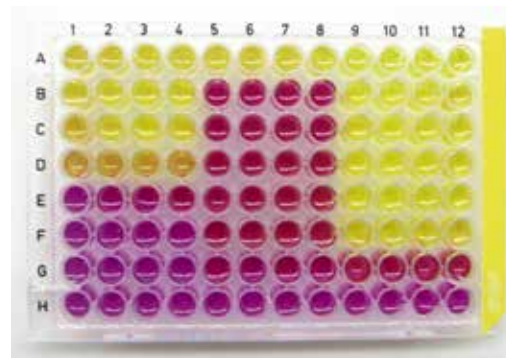
Principle

Human estrogen (YES) and androgen (YAS) receptors are integrated in the yeast (*Saccharomyces cerevisiae*) chromosome.

The cells have a plasmid containing lacZ coding for β -galactosidase under the control of estrogen or androgen response elements. Binding of a compound to the receptor induces the synthesis of β -galactosidase which converts the yellow substrate CPRG to a purple metabolite.

XenoScreen YES YAS and XL YES YAS deliver

- Simultaneous analysis of activating (agonist) and inhibiting (antagonist) behaviour
- High sensitivity up to 4×10^{-12} M
- Results within 48 hours (XenoScreen YES YAS); 18 hours (XenoScreen XL YES YAS)
- 1–2 hours hands-on time
- 4 x 96 measuring points: Suggested configuration for XenoScreen YES YAS (2 receptors) allows analysis of 5 samples and for XenoScreen XL YES YAS (2 receptors) of 4 samples each in duplicate, 8 dilution steps, detection of agonist and antagonist activities, with positive and solvent controls.
- Assay for concentrated or diluted samples requiring 73 μ l or 16 μ l (XL) as little as sample volumes
- Excel calculation sheet for evaluation of results.



Other products available from Xenometrix

Ames Mutagenicity Assays for solid and water samples

Ames MPF 98/100
Ames II

Ames MPF 98/100 Aqua
Ames II Aqua

Reconstructed Skin models

Standard Reconstructed Human Epidermis
Pigmented Reconstructed Human Epidermis
Psoriasis-like Reconstructed Human Epidermis
Full Thickness Skin Model
Standard Reconstructed Human Dermis
Reconstructed Human Oral Epithelium

Reconstructed Human Gingival Epithelium
Reconstructed Human Vaginal Epithelium
Reconstructed Human Bladder Epithelium
Reconstructed Human Alveolar Epithelium
Reconstructed Human Colon Epithelium
Reconstructed Human Conjunctival Epithelium

Ages 5, 10, 12, 17 and customized sizes: 0,5 cm², 1,12 cm², 4 cm², 24 x 0,33 cm² (24 well microplate)

Ex vivo human and pig skin

XenoSkin H, ex vivo human skin in discs or squares, full thickness or dermatomized with slight stretch marks
XenoSkin P, ex vivo pig skin in discs or squares, full thickness or dermatomized with slight stretch marks
Corneum Stratum H and more.

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