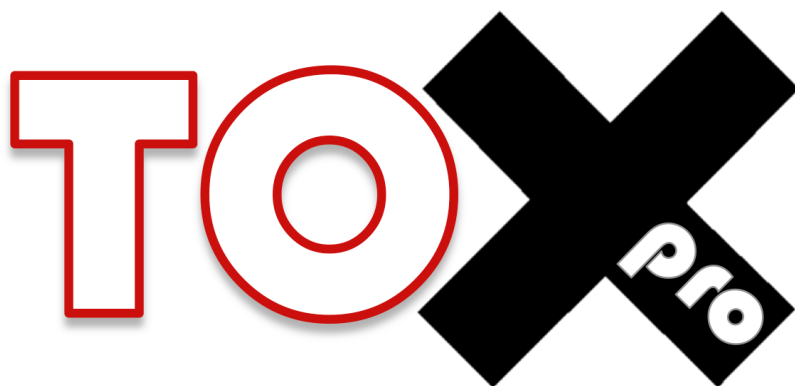


Ahead, to care

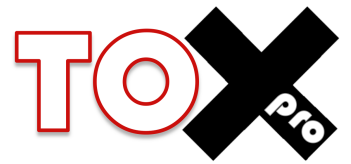


Occupational & Industrial Toxicology

Services presentation document

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Who we are



TOXpro has been founded in 2011 by Vincent PERRET and Corinne BURLA at Carouge, Geneva (Switzerland).



TOXpro aim to provide expert support to industries, authorities and collectives in matter of occupational hygiene, exposure evaluation and risk control.

Any needs, we certainly have the expert :

- ✓ Certified Occupational Hygienist (CIH)
- ✓ Toxicologist
- ✓ Occupational Safety Officer
- ✓ Indoor Air Quality specialist
- ✓ Ergonomist
- ✓ Occupational Physician



Occupational Hygiene



Occupational (Industrial) Hygiene is the discipline of anticipating, recognising, evaluating and controlling health hazards in the working environment with the objective of protecting workers health and well-being, and safeguarding the community at large.

International Occupational Hygiene Association



provide all support, from hazard identification, risk evaluation, exposure assessment, control measures design, implementation and validation expertise in various fields :



Industrial



Artisanal



Laboratories

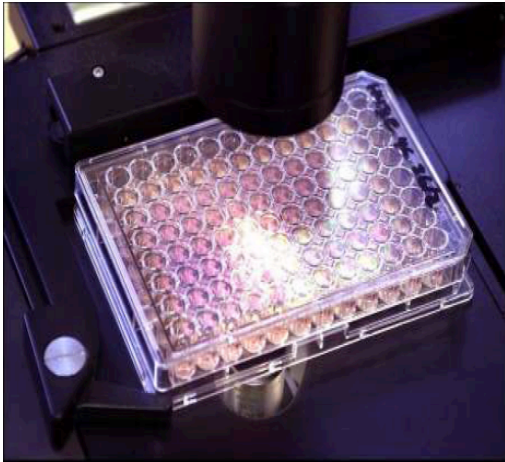


Remediation sites



Innovative Tools

CALUX



Direct measurement of potential health pollutants effect.

Take into account pollution diversity and **synergetic** effects.

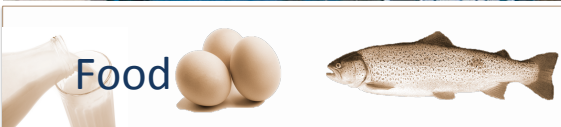
Measure of endocrine disruption, cytotoxic, PAH, Dioxin like effects on surface, in air, soils, water and biologic fluids using state-of-the-art CALUX (Chemically Activated Luciferase gene eXpression) bioassay.

Interested in evaluation of the endocrine activity of complex mixture or unknown ingredients and to evaluate their potential synergetic effects ?

Test the water quality, micropollutant persistence, plastic migration in food, hormonal disruption of consumer products,

CALUX assays currently available:

Nuclear receptors		Signaling pathways	
name	endpoint	name	endpoint
DR CALUX	dioxins	NFκB CALUX	inflammation
PAH CALUX	PAHs	p21 CALUX	DNA damage
ERα CALUX	estrogens	Nrf2 CALUX	oxid. stress
ERβ CALUX	estrogens	p53 CALUX	DNA damage
AR CALUX	androgens	TCF CALUX	carcinogenesis
PR CALUX	progestins	AP1 CALUX	stress
GR CALUX	glucocorticoid	HIF1α CALUX	hypoxia
TRβ CALUX	thyroids	ESRE CALUX	ER stress
RAR CALUX	retinoids	Cytotox CALUX	cytotoxicity
PPARγ CALUX	obesogens		
PPARα CALUX	obesogens		
PPARδ CALUX	obesogens		
PXR CALUX	xenobiotics		
LXR CALUX	oxysterols		



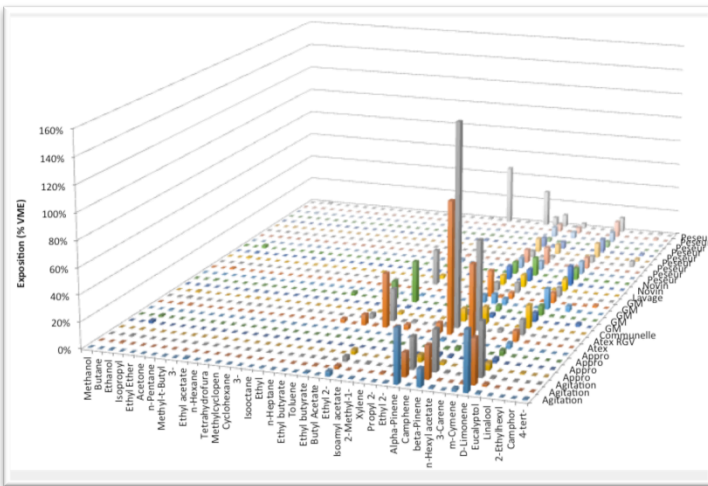
Occupational Hygiene

To provide to our clients the best and innovative tools

Self assessment

To help industries to perform their chemical exposure on themselves.

Implementation of occupational exposure follow-up self-assessment methods based on clients internal resources using simple, robust and cost-effective sampling systems.

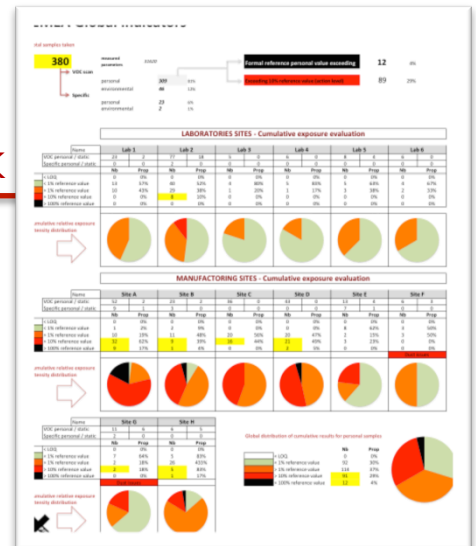


VOC screening

Screening of occupational and immission of 119 priority VOC (volatile organic compounds) of concern using self-assessment tools.

Sites Occup.Exposure benchmark

Implementation of occupational exposure follow-up self-assessment methods based on clients internal resources. Multi-regional, multi-site occupational exposure benchmark to prioritise control measures implementation and investments.



Occupational Hygiene

Some representative services

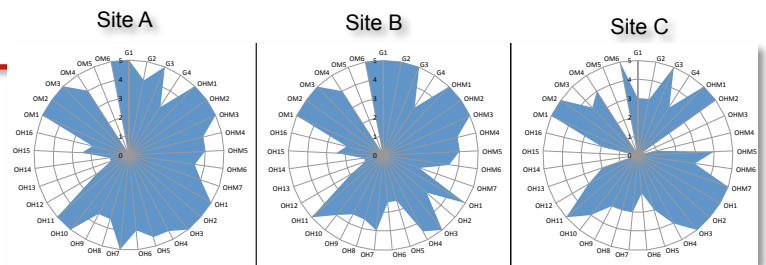


PIMEX

Picture Mixed Exposure approach for training and workplace exposure assessment. Real time fume hood containment integrity. Merge exposure measures with the movie of monitored activity for documentation, evaluation or training purpose.

OH audit

Occupational Health management audit of your sites to provide compliance conformity gap analysis and ranking benchmark of your locations.



Toxicology

Expert support on MSDS creation, internal Occupational Exposure Limits (OEL) setting for unclassified compounds, strategic substances substitution, occupational health impact evaluation.



Industrial Services

FUGITIVE EMISSIONS DETECTION CAMERA



Gas leak detection with the only ATEX proof IRchemical camera of the market (EyeCGas, Opgal)

Ethylene, 1-Hexane, Propanal, 1,3-Butadiene, 1-Butene, Methane, Propylene, 1-pentene, Styrene, Isobutene, Acetic acid, Xylene, 1,2-dimethyl-Benzene, Isobutylene, Isoprene, Benzene, Ethylbenzene, Ethylene oxide, Hexane, Methanol, Propylene oxide, Propane, Ethane, Octane, Heptane, Isopropyl alcohol, MEK, Methyl Ethyl Ketone, 2-butanone, Propane, Butane, Pentane



Visual Image



Normal Mode



Enhanced Mode

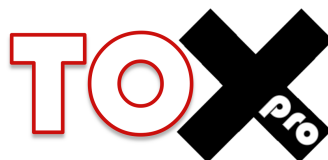


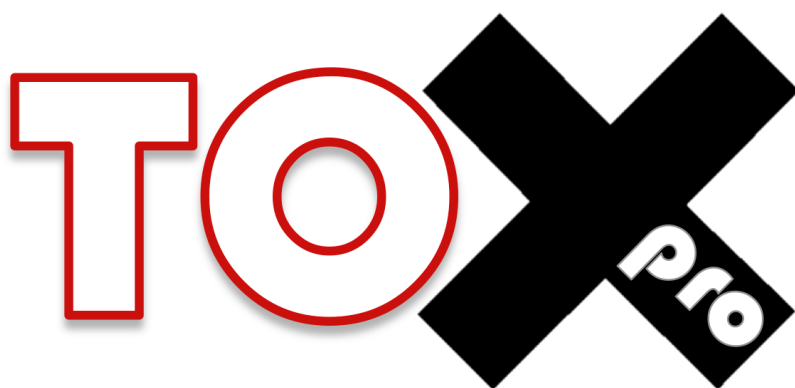
Our clients care about occupational health

Firmenich



... and many more





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