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Supplemental Material to:

Endocrine disruption in human fetal testis explants by individual and combined exposures to selected pharmaceuticals, pesticides and environmental pollutants

Pierre Gaudriault , Séverine Mazaud-Guittot , Vincent Lavoué , Isabelle Coiffec , Laurianne Lesné , Nathalie Dejudcq-Rainsford , Martin Scholze , Andreas Kortenkamp , Bernard Jégou

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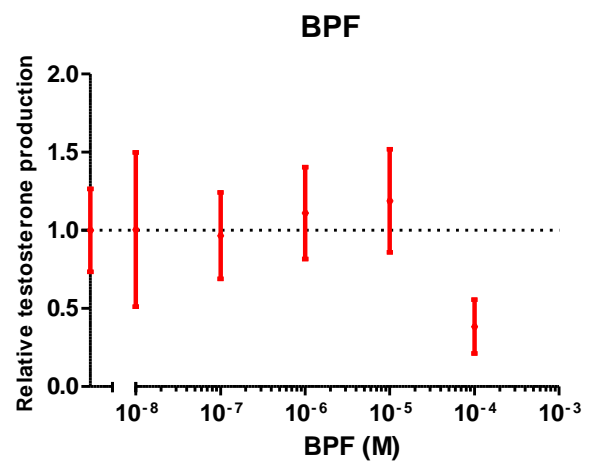
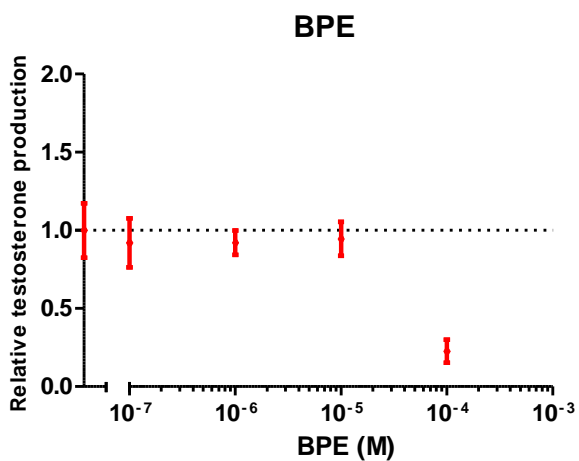
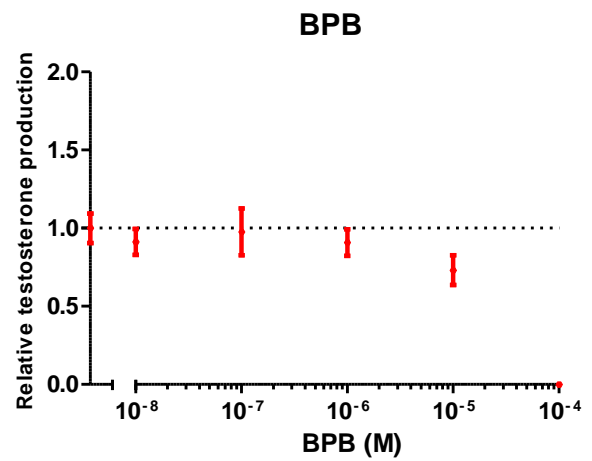
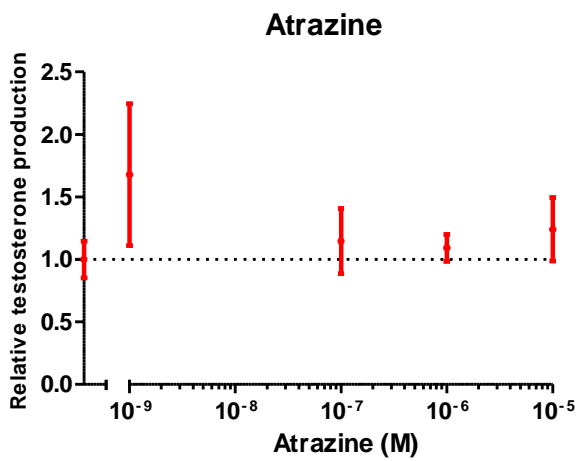
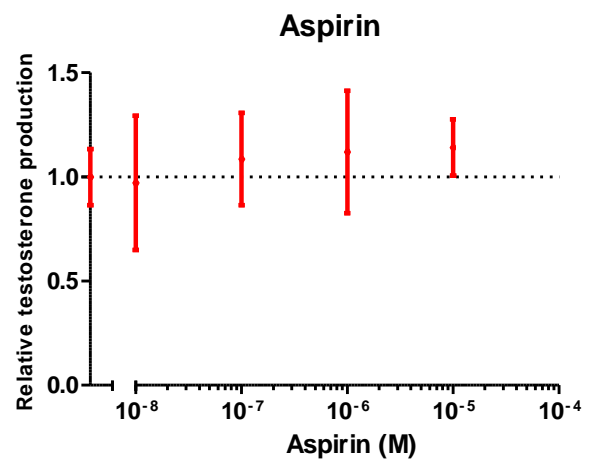
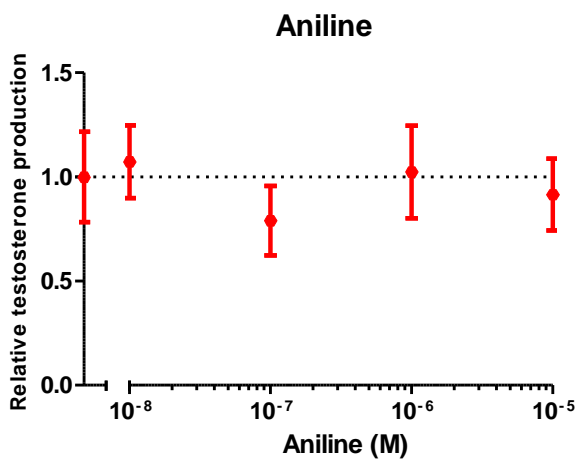
Figure S2. Single compound effect on the apoptosis of the human fetal testis treated at highest non-toxic concentration after 96h of culture. Apoptosis positive cells were labeled with an anti- cleaved caspase 3 antibody. The 3,3'-diaminobenzidine tetrahydrochloride staining appears brown in all photos, and sections were counterstained with hematoxylin. Testis cords and interstitial tissue could be identified in all the sections (dashed line represent testis cords). Scale bar corresponds to 20 μ m.....6

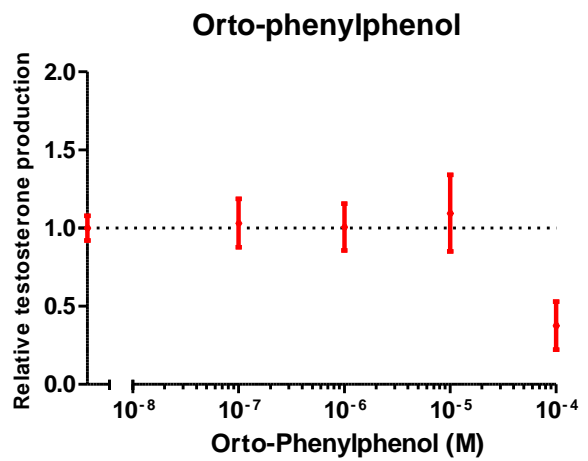
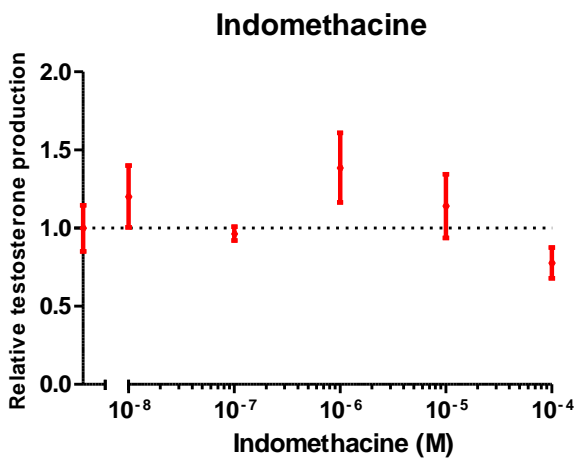
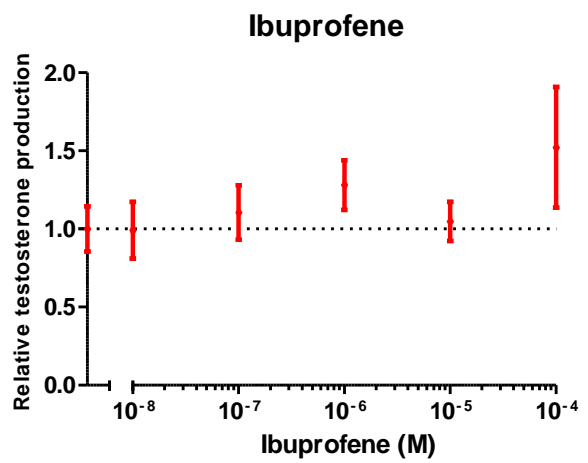
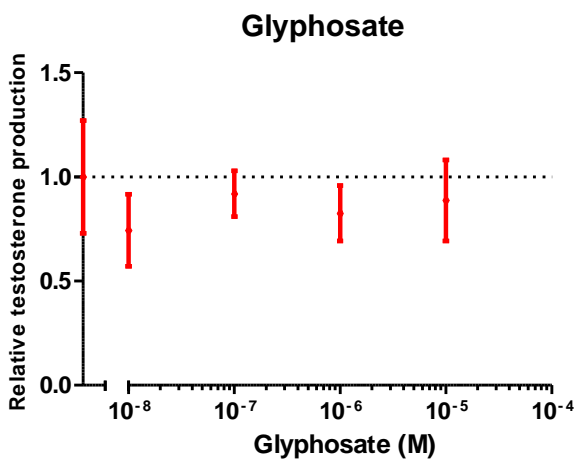
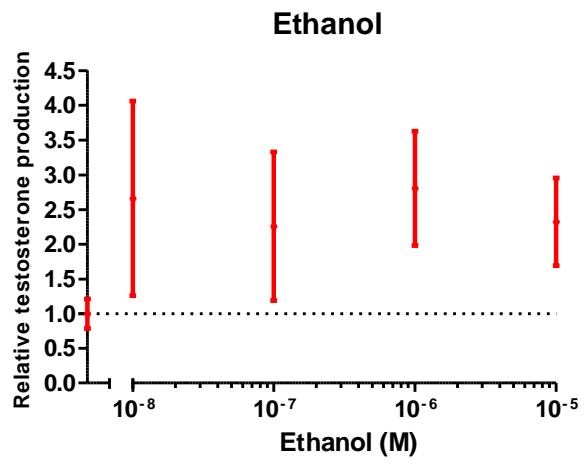
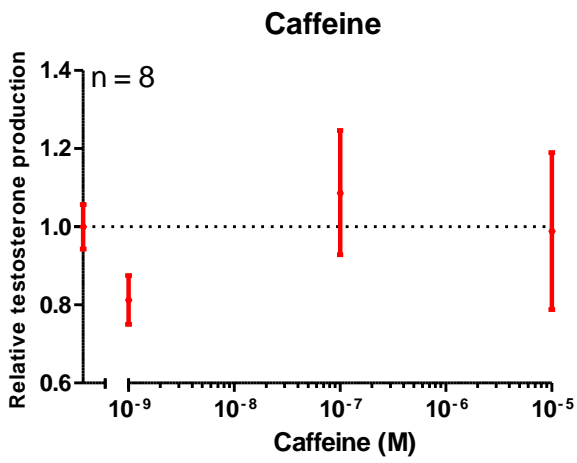
Supplementary Table 1.

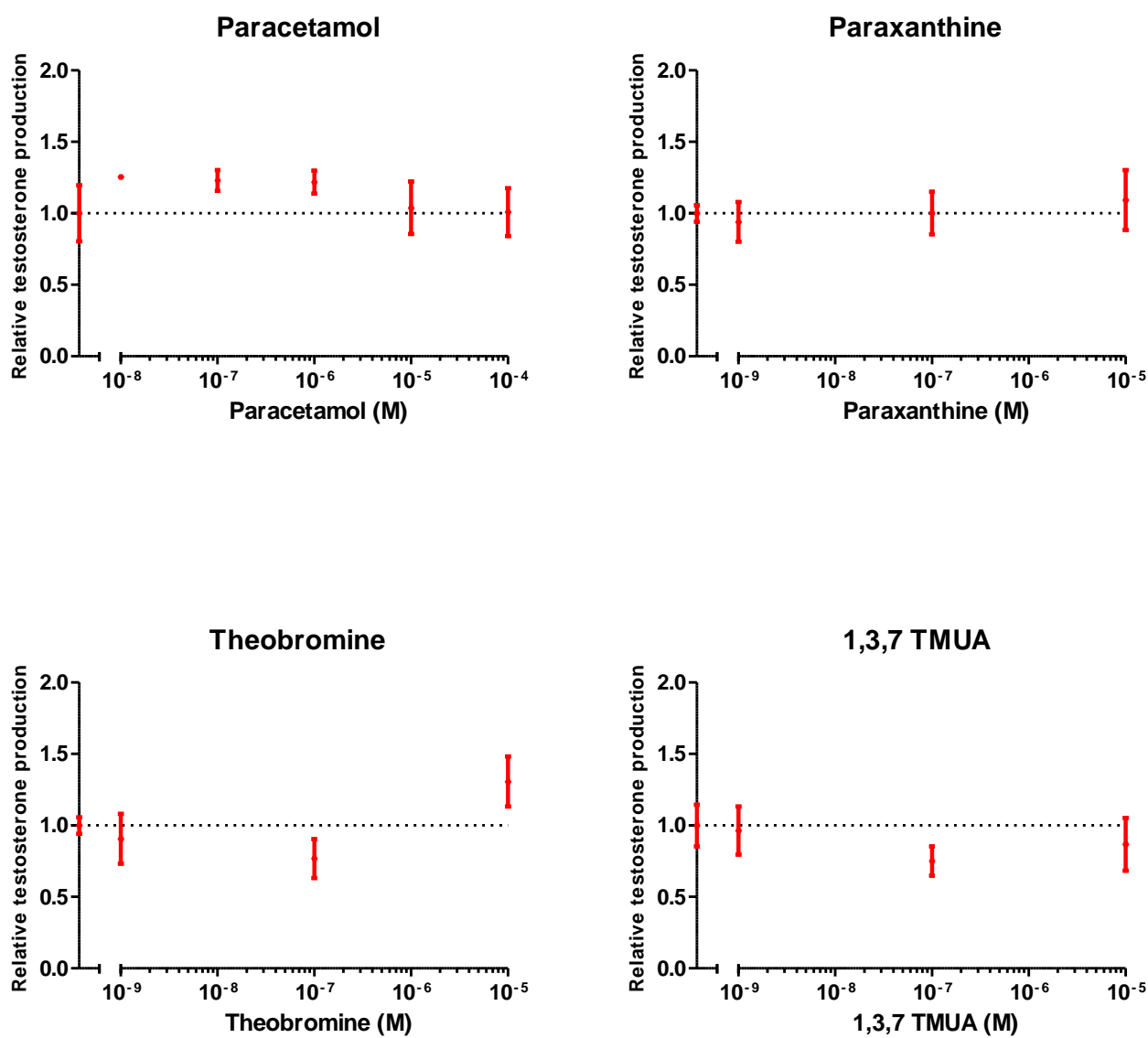
Group	Chemical
Socio-cultural compounds	Caffeine
	Ethanol
	Paraxanthine (caffeine metabolite)
	Theobromine (caffeine metabolite)
	Theophylline (caffeine metabolite)
	1,3,7 Trimethyluric acid (caffeine metabolite)
Pesticides	Atrazine
	Bitertanol
	Chlordecone
	Glyphosate
	Imazalil
	Orto-phenylphenol
	Prochloraz
	Propiconazole
Industrial compounds	Aniline
	Bisphenol A
	Bisphenol B
	Bisphenol E
	Bisphenol F
	Bisphenol S
Pharmaceuticals	Aspirin
	Clomiphene
	Ibuprofen
	Indomethacine
	Ketoconazole
	Paracetamol
	Theophylline
	Valproic acid

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Supplementary Figure 1.

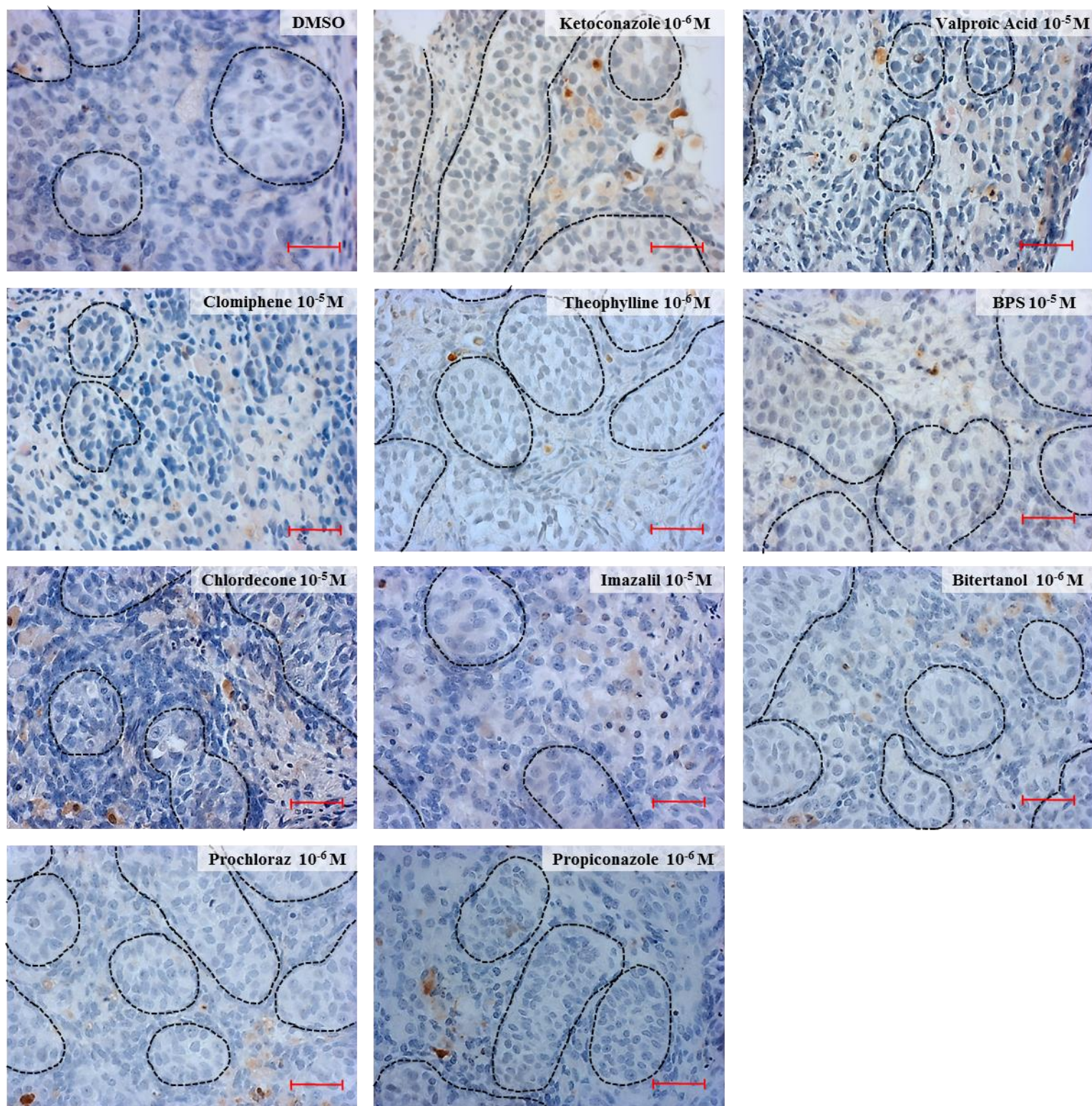






Supplementary Figure 1. Concentration-response data for individual chemicals from the organotypic culture system in human fetal testes. The graphs show the experimental data as mean ± SEM of at least 3 independent studies. Testosterone production is represented as relative to the first day of culture (D0) production and the control level, see text for more details. These datasets represent the 16 screened chemicals not included in our mixtures.

Supplementary Figure 2.



Supplementary Figure 2. Single compound effect on the apoptosis of the human fetal testis treated at highest non-toxic concentration after 96h of culture. Apoptosis positive cells were labeled with an anti-cleaved caspase 3 antibody. The 3,3'-diaminobenzidine tetrahydrochloride staining appears brown in all photos, and sections were counterstained with hematoxylin. Testis cords and interstitial tissue could be identified in all the sections (dashed line represent testis cords). Scale bar corresponds to 20 μ m.