The adverse impact of herbicide Roundup[®] Ultra Plus in human spermatozoa plasma membrane is caused by its surfactant

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Figure S1. Study design. From the preparations of the human sperm samples and their treatments, to the different parameters analyzed. BWW: Biggers, Whitten and Whittingham; RUP: Roundup® Ultra Plus; POEA: polyoxyethylene amine; GLY: potassium glyphosate; CASA: Computer Assisted Semen Analysis; HOST: hypo-osmotic swelling test.



2. Evaluation of spermatozoa motility by the CASA system

4. Analysis of human s p e r m a t o z o a phosphorylated proteins by western blotting

3. Evaluation of sperm plasma membrane integrity by HOST