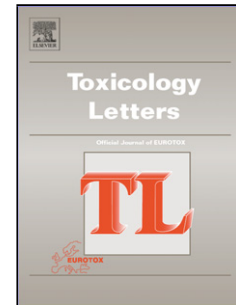


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Toxic Effects and Possible Mechanisms of Hydrogen Sulfide and/or Ammonia on Porcine Oocyte Maturation *in vitro*

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Running title: H₂S and NH₃ affect porcine oocyte maturation

Highlights

- Exposure to H₂S and/or NH₃ reduces porcine oocyte maturation.
- Failed maturation is caused by actin disruption, ROS generation.
- H₂S and/or NH₃ induce apoptosis and ROS generation in cumulus cells.

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