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[Continued on next page]

(54) **Title:** COMPOSITIONS AND METHODS FOR ENHANCING BIOENERGETIC STATUS IN FEMALE GERM CELLS

(57) **Abstract:** Compositions and methods comprising bioenergetic agents for restoring the quality of aged oocytes, enhancing oogonial stem cells or improving derivatives thereof (e.g., cytoplasm or isolated mitochondria) for use in fertility-enhancing procedures, are described.

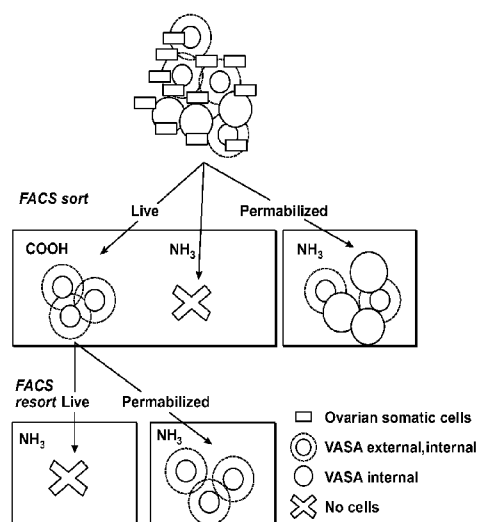


FIG. 1E

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