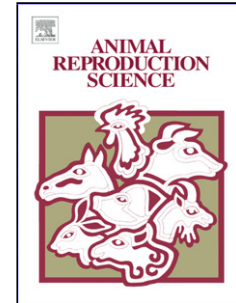


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Isolation and characterization of spermatogenic cells from cattle, yak and cattleyak

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Highlights

- The spermatogenic cells from bovidae have been isolated with high purity by using STA-PUT method for the first time.
- The morphological study reveals that the spermatogonia from yak and cattle were significantly larger than those from cattleyak ($8.60\pm 0.92\ \mu\text{m}$). Meanwhile, the spermatocytes from cattle and yak were also significantly larger than those from cattleyak.
- Morphological identification in combination with marker genes can identify the isolated spermatogenic cells of cattle, yak and cattleyak.

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