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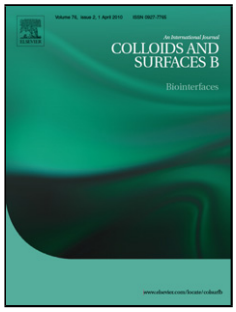

Title: Thermodynamic evaluation of vesicles shed by erythrocytes at elevated temperatures

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Highlights

- Number of vesicles shed by erythrocytes at increases elevated temperatures.
- Eighty percent of erythrocyte released vesicles are smaller than 0.4 μm.
- Freshly drawn mammalian blood contains more than 1 million vesicles per one microliter.
- Erythrocyte vesicles can serve as diagnostic tool of physical performance.
- Vesicle release is driven by entropy with enthalpy-entropy compensation.

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