

## Accepted Manuscript

Title: Insulin and heparin-binding epidermal growth factor-like growth factor synergistically promote astrocyte survival and proliferation in serum-free medium

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PII: S0165-0270(18)30172-9  
DOI: <https://doi.org/10.1016/j.jneumeth.2018.06.002>  
Reference: NSM 8024

To appear in: *Journal of Neuroscience Methods*

Received date: 22-1-2018  
Revised date: 7-6-2018  
Accepted date: 7-6-2018

Please cite this article as: Jia M, Shi Z, Yan X, Xu L, Dong L, Li J, Wang Y, Yang S, Yuan F, Insulin and heparin-binding epidermal growth factor-like growth factor synergistically promote astrocyte survival and proliferation in serum-free medium, *Journal of Neuroscience Methods* (2018), <https://doi.org/10.1016/j.jneumeth.2018.06.002>

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# Insulin and heparin-binding epidermal growth factor-like growth factor synergistically promote astrocyte survival and proliferation in serum-free medium

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## Highlights

- A new serum-free medium containing insulin and HB-EGF for astrocyte culture is proposed.
- The morphology of cells cultured in this medium is similar with astrocytes in brain.
- This medium is more effective for astrocyte culture than FBS-containing medium .

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