

## Aggregating $\beta$ -amyloid

### References

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<https://doi.org/10.2119/molmed.2011.00366>
2. Rapoport, M., Dawson, H. N., Binder, L. I., Vitek, M. P., & Ferreira, A. (2002). Tau is essential to beta -amyloid-induced neurotoxicity. *Proceedings of the National Academy of Sciences of the United States of America*, 99(9), 6364–6369.  
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### Solution

1. Neuronal maintenance medium (N2): 1X MEM (Invitrogen), 0.6% D-glucose, 0.1% ovalbumin, 1 mM sodium pyruvate, 5  $\mu$ g/ml insulin, 20 nM progesterone, 100  $\mu$ M putrescine, 30 nM selenium dioxide, 100  $\mu$ g/ml apo-transferrin. Filter-sterilize and store at 4°C. Keep component stock solutions at -20°C.

### Abbreviation

1. N2 medium: Neuronal maintenance medium

### Protocol

1. Remove  $\beta$ -amyloid from freezer and allow to sit at room temperature for 15 minutes.
2. Hit top of  $\beta$ -amyloid vial to ensure all peptide is at bottom of vial.
3. Pipette 1 ml of N2 medium into vial, avoid pipetting up and down.
4. Allow medium to sit in vial for 10 minutes.
5. Pipette up and down to ensure peptide goes into solution.
6. Transfer to a labeled Eppendorf tube.
7. Parafilm the top of Eppendorf tube and set in Styrofoam tray inside water bath at 37°C for 72 hours.