

Materials List for:

Studying the Integration of Adult-born Neurons

Yan Gu¹, Stephen Janoschka¹, Shaoyu Ge¹

¹Department of Neurobiology & Behavior, State University of New York at Stony Brook

Correspondence to: Shaoyu Ge at sge@notes.cc.sunysb.edu

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Materials

- Cutting solution (in mM): 110 choline chloride, 2.5 KCl, 1.3 KH₂PO₄, 25.0 NaHCO₃, 0.5 CaCl₂, 7 MgCl₂, 10 dextrose, 1.3 sodium ascorbate, 0.6 sodium pyruvate, 5.0 kynurenic acid.
- Artificial cerebro-spinal fluid (ACSF, in mM): 125.0 NaCl, 25.0 NaHCO₃, 2.5 KCl, 2 CaCl₂, 1.3 KH₂PO₄, 1.3 MgCl₂, 1.3 sodium ascorbate, 0.6 sodium pyruvate, 10 dextrose.
- Internal solution for whole-cell patchclamp (in mM): 120 potassium gluconate, 15 KCl, 4 MgCl₂, 0.1 EGTA, 10.0 HEPES, 4 MgATP, 0.3 Na₃GTP, 7 phosphocreatine (pH 7.4, 300 mOsm).