

Materials List for

Live Calcium Imaging of Virus-Infected Human Intestinal Organoid Monolayers Using Genetically Encoded Calcium Indicators

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jove.com/video/66132

Materials

| Name | Company | Catalog Number | Comments |
|--|-------------------------|----------------|----------|
| Advanced DMEM F12 | Gibco | 12634028 | |
| [Leu15]-Gastrin I | Sigma-Aldrich | G9145 | |
| 0.05% Trypsin EDTA | Gibco | 25300054 | |
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| 1.5mL microcentrifuge tubes | Fisherbrand | 5408137 | |
| 15mL conical tubes | ThermoFisher Scientific | 0553859A | |
| 16% formaldehyde | ThermoFisher Scientific | 28906 | |
| 1M HEPES | Gibco | 15630080 | |
| 1M HEPES | Gibco | 15630080 | |
| 1X PBS | Corning | 21-040-CV | |
| 25 gauge needle | ThermoFisher Scientific | 1482113D | |
| A-83-01 | Tocris | 2939 | |
| ADP | Sigma-Aldrich | A2754 | |
| Advanced DMEM F12 | Gibco | 12634028 | |
| Antibiotic-antimycocytic | Gibco | 15240062 | |
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| B27 Supplement | Gibco | 17504-044 | |
| Bovine serum albumin | FisherScientific | BP1600100 | |
| CellView Cell Culture Slide, PS, 75/25 MM, Glass Bottom, 10 compartments | Greiner | 543979 | |
| Collagen IV | Sigma Aldrich | C5533 | |
| DAPI | ThermoFisher Scientific | D1306 | |
| EDTA | Corning | 46-034-CI | |
| Fetal bovine serum | Corning | 35010CV | |
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|--|-------------------------|-----------------|--|
| Fluorobrite | Gibco | A1896701 | |
| GlutaMAX | Gibco | 35050079 | |
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| Human epidermal growth factor | ProteinTech | HZ-1326 | |
| Lentivirus | VectorBuilder | (variable) | |
| Matrigel | BD Biosceicen | 356231/CB40230C | |
| N2 Supplement | Gibco | 17502-048 | |
| N-acetylcysteine | Sigma-Aldrich | A9165-5G | |
| NH4Cl | Sigma-Aldrich | A9434 | |
| Nicotinamide | Sigma-Aldrich | N0636 | |
| Nunc Cell Culture Treated 24-well Plates | Thermofisher Scientific | 142475 | |
| Polybrene | MilliporeSigma | TR1003G | |
| SB202190 | Sigma-Aldrich | S70767 | |
| Triton X-100 | Fisher BioReagents | BP151100 | |
| TrypLE Express Enzyme, no phenol red | Thermofisher Scientific | 12604013 | |
| Trypsin | Worthington Biochemical | NC9811754 | |
| Y-27632 | Tocris | 1254 | |