

Materials List for:

# Studying the Stoichiometry of Epidermal Growth Factor Receptor in Intact Cells using Correlative Microscopy

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URL: <https://www.jove.com/video/53186>

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## Materials

| Name                                                                                                   | Company          | Catalog Number    | Comments                         |
|--------------------------------------------------------------------------------------------------------|------------------|-------------------|----------------------------------|
| Inverted fluorescence microscope                                                                       | Leica            | AF6000 + DMI6000B |                                  |
| ESEM                                                                                                   | FEI Company      | Quanta 400 FEG    |                                  |
| DMEM (1x) + GlutaMax + glucose + pyruvate                                                              | Gibco            | 31966-021         |                                  |
| DPBS (1x) - Calcium chloride - Magnesium chlorid                                                       | Gibco            | 14190-144         |                                  |
| Fetal bovine serum, Performance Plus (FBS)                                                             | Gibco            | 16000-036         |                                  |
| Cellstripper                                                                                           | Mediatech, Inc.  | 25-056 CI         |                                  |
| Water, chromasolv Plus for HPLC                                                                        | Sigma-Aldrich    | 34877-2.5L        |                                  |
| PBS Roti-Stock 10x PBS                                                                                 | Carl Roth        | 1058.1            |                                  |
| Ethanol, Rotisolv HPLC grade                                                                           | Carl Roth        | P076.2            |                                  |
| Albumin Fraction V, biotin-free (BSA)                                                                  | Carl Roth        | O163.2            |                                  |
| Gelatin, from cold water fish skin                                                                     | Sigma-Aldrich    | G7041-500G        |                                  |
| Glycine                                                                                                | Carl Roth        | T873.1            |                                  |
| Epidermal Growth Factor                                                                                | Molecular Probes | E3477             | Biotin-XX Conjugate (biotin EGF) |
| Sodium tetraborate decahydrate                                                                         | Sigma-Aldrich    | S9640-500G        |                                  |
| Boric acid                                                                                             | Sigma-Aldrich    | B6768-500G        |                                  |
| Qdot 655 streptavidin conjugate                                                                        | Molecular Probes | Q10121MP          |                                  |
| Qdot 800 streptavidin conjugate                                                                        | Molecular Probes | Q10173MP          |                                  |
| Silicon microchips with silicon nitride membranes of 50 nm thickness and dimensions of 50 µm x 0.40 mm | DENS Solutions   | Custom made       |                                  |