

**Materials List for:**

# **Locked Nucleic Acid Flow Cytometry-fluorescence *in situ* Hybridization (LNA flow-FISH): a Method for Bacterial Small RNA Detection**

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## **Materials**

| <b>Name</b>                                       | <b>Company</b>               | <b>Catalog Number</b> | <b>Comments</b>                 |
|---------------------------------------------------|------------------------------|-----------------------|---------------------------------|
| 10X Phosphate buffered saline (PBS), pH 7.4       | Applied Biosystems           | AM9625                |                                 |
| Nuclease-free water                               | Applied Biosystems           | AM9932                | (not DEPC treated)              |
| 32% paraformaldehyde                              | Electron Microscopy Sciences | RT 15714              | Ethanol free                    |
| Acetic acid                                       | Acros Organics               | 327290010             |                                 |
| Diethyl pyrocarbonate (DEPC)                      | Sigma-Aldrich                | D5758                 | Keep desiccated                 |
| Lysozyme                                          | Sigma-Aldrich                | L2879                 |                                 |
| Proteinase K (20 mg/mL)                           | Applied Biosystems           | AM2546                |                                 |
| Formamide                                         | Applied Biosystems           | AM9342                | Deionized, aliquot and freeze   |
| Dextran sulfate MW > 500,000                      | Sigma-Aldrich                | D8906                 | Aliquot 60% solution and freeze |
| Denhardt's solution 50X concentrate               | Sigma-Aldrich                | D2532                 | Aliquot and freeze              |
| Sodium citrate buffer 20X                         | Applied Biosystems           | AM9770                |                                 |
| Salmon sperm DNA (sheared) 10 mg/mL               | Applied Biosystems           | AM9680                | Aliquot and freeze              |
| Yeast tRNA (10 mg/mL)                             | Life Technologies            | 15401-011             | Aliquot and freeze              |
| Tween-20                                          | Sigma-Aldrich                | P9416                 |                                 |
| 5X <i>in situ</i> hybridization blocking solution | Vector Laboratories          | MB-1220               |                                 |
| DyLight 488 streptavidin                          | Vector Laboratories          | SA-5488-1             |                                 |
| Biotinylated anti-streptavidin                    | Vector Laboratories          | BA-0500               | Aliquot and freeze              |