**Supplementary Table 2. TMS-PBS Components and Concentrations**

|  |  |
| --- | --- |
| **TMS components** | **Concentration (mg/mL)** |
| *TMS buffer* | |
| TMS-PBS: Dulbecco’s phosphate buffered saline (D8662 [Sigma-Aldrich]) |  |
| CaCl2 | 0.1 |
| MgCl2 ∙ 6H2O | 0.1 |
| KCl | 0.2 |
| KH2PO4 | 0.2 |
| NaCl | 8.0 |
| Na2HPO4 ∙ 7H2O (http://www.lifetechnologies.com/ch/en/home/technical-resources/media-formulation.144.html) | 2.16 |
| *Lipids* | |
| None |  |
| *Proteins* | |
| Lysozyme (L6876-10G [Sigma-Aldrich]) | 5.3 |
| Proteins originating from human serum (PreciNorm U Plus, 10651257922 [COBAS INTEGRA/Roche Diagnostics]) | 2.3-3.5 |

TMS, tear-mimicking solution; PBS, phosphate buffered saline.