**Supplementary Table 1. TMS-PS Components and Concentrations**

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| **TMS components** | **Concentration (mg/mL)** |
| *TMS buffer* | |
| TMS-PS: sodium chloride solution with a borate buffer (pH ~7.4 [provided by Johnson & Johnson VisionCare, Inc.]) |  |
| NaCl | 4.4 |
| H3BO3 | 8.9 |
| Na2B4O7 | 1.7 |
| EDTA  ((HO2CCH2)2NCH2CH2N(CH2CO2H)2) | 0.1 |
| *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; PS, borate buffered saline; EDTA, ethylenediaminetetraacetic acid.