# The Rheolaser Master™ and Kinexus Rotational Rheometer® to Evaluate the Influence of Topical Drug Delivery Systems on Rheological Features of Topical Poloxamer Gel

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Table S1 Gelation temperature of Poloxamer 407 solutions. Each value represents the mean ± S.D. of three experiments.

| Poloxamer 407 concentration (%, w/w) | Gelation Temperature (°C) |
|---|---|
| 15 | 37 ± 0.5 |
| 17 | 36 ± 0.5 |
| 20 | 21 ± 0.2 |
| 25 | < 20 |
| 30 | < 20 |

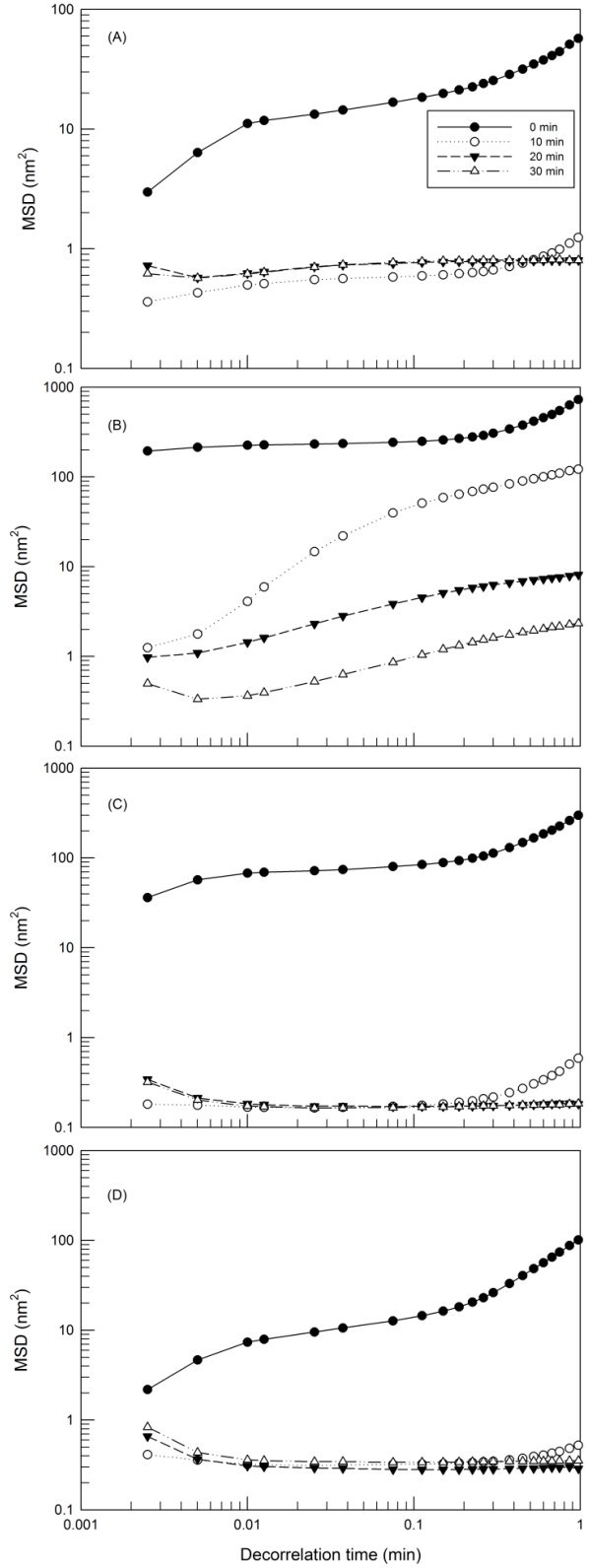


Figure S1: Mean square displacement MSD for 25% Poloxamer 407 gel without carriers (A), or with ethosomes (B), transfersomes (C) and niosomes (D) as a function of decorrelation time. The illustrated results are one of the parallel experiments.

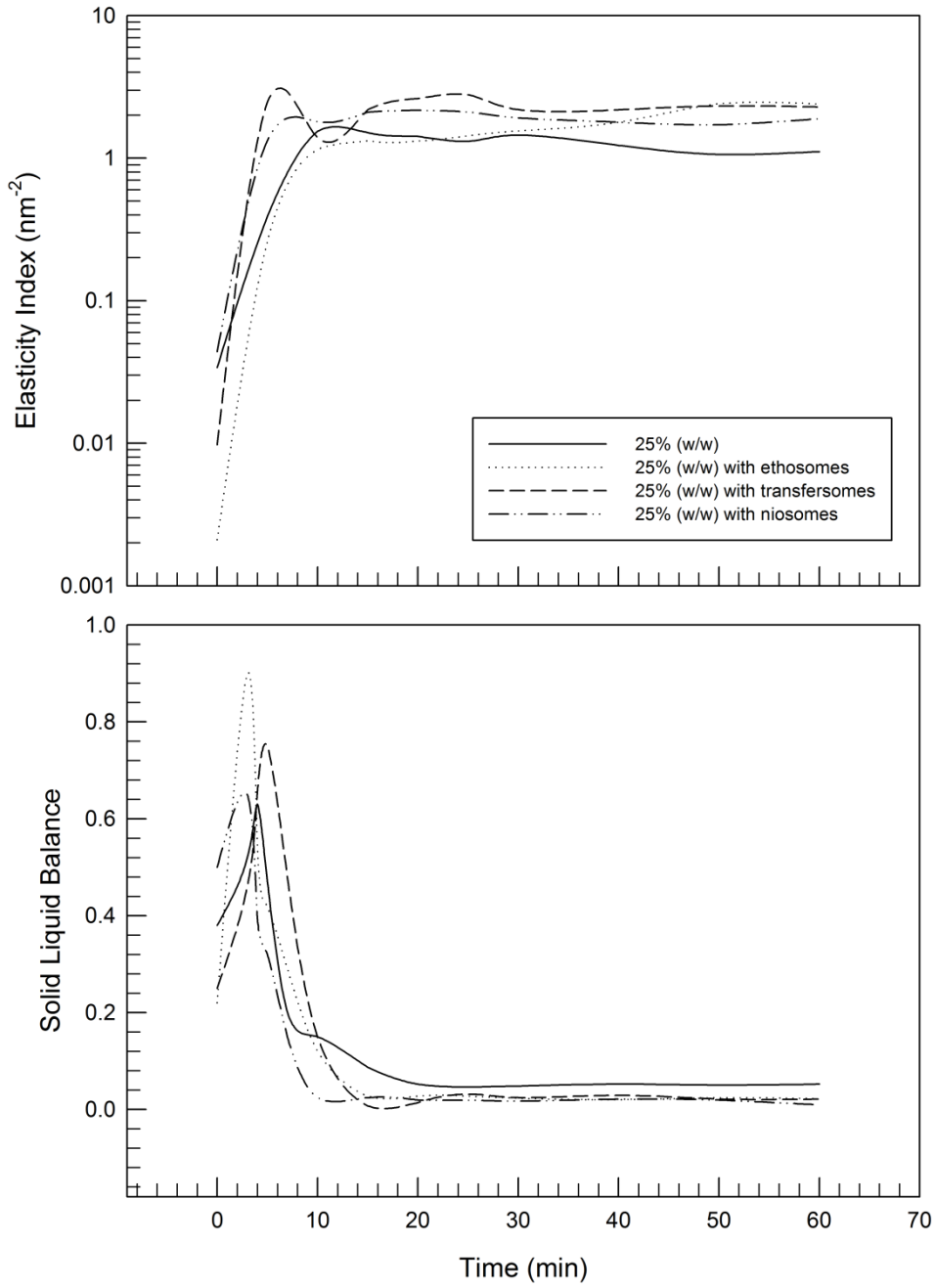


Figure S2: Elasticity Index (EI) and Solid Liquid Balance profile versus time for 25% (w/w) Poloxamer 470 with and without TDDSs.

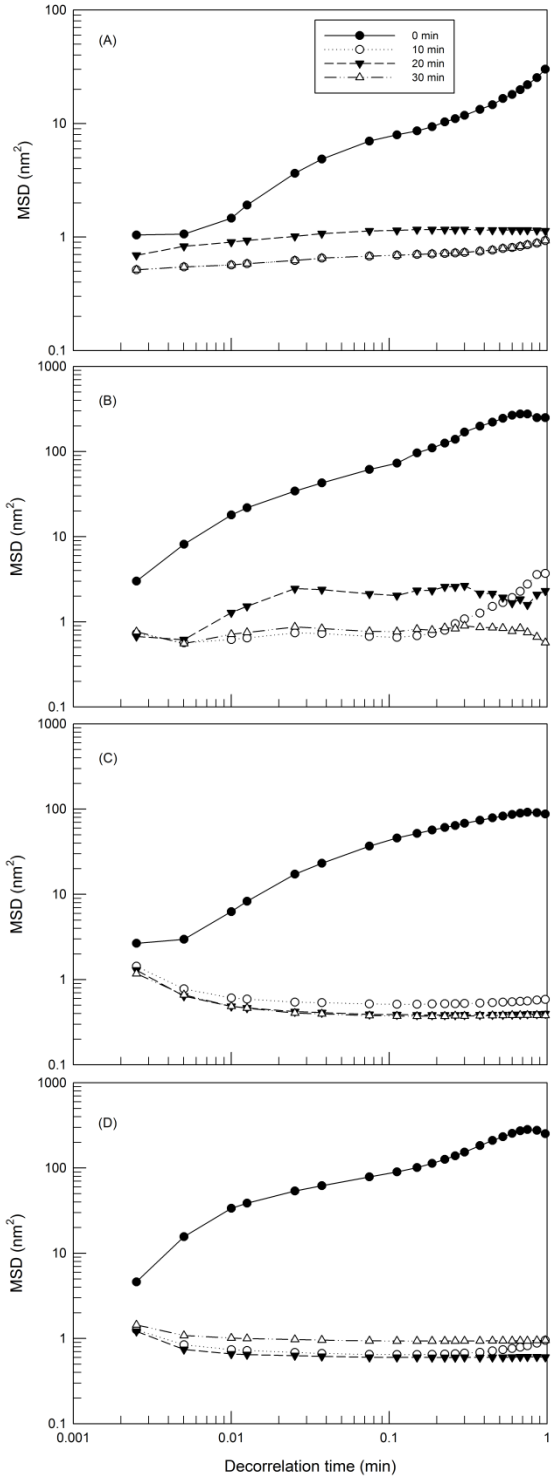


Figure S3: Mean square displacement MSD for 30% Poloxamer 407 gel without carriers (A), or with ethosomes (B), transfersomes (C) and niosomes (D) as a function of decorrelation time. The illustrated results are one of the parallel experiments.

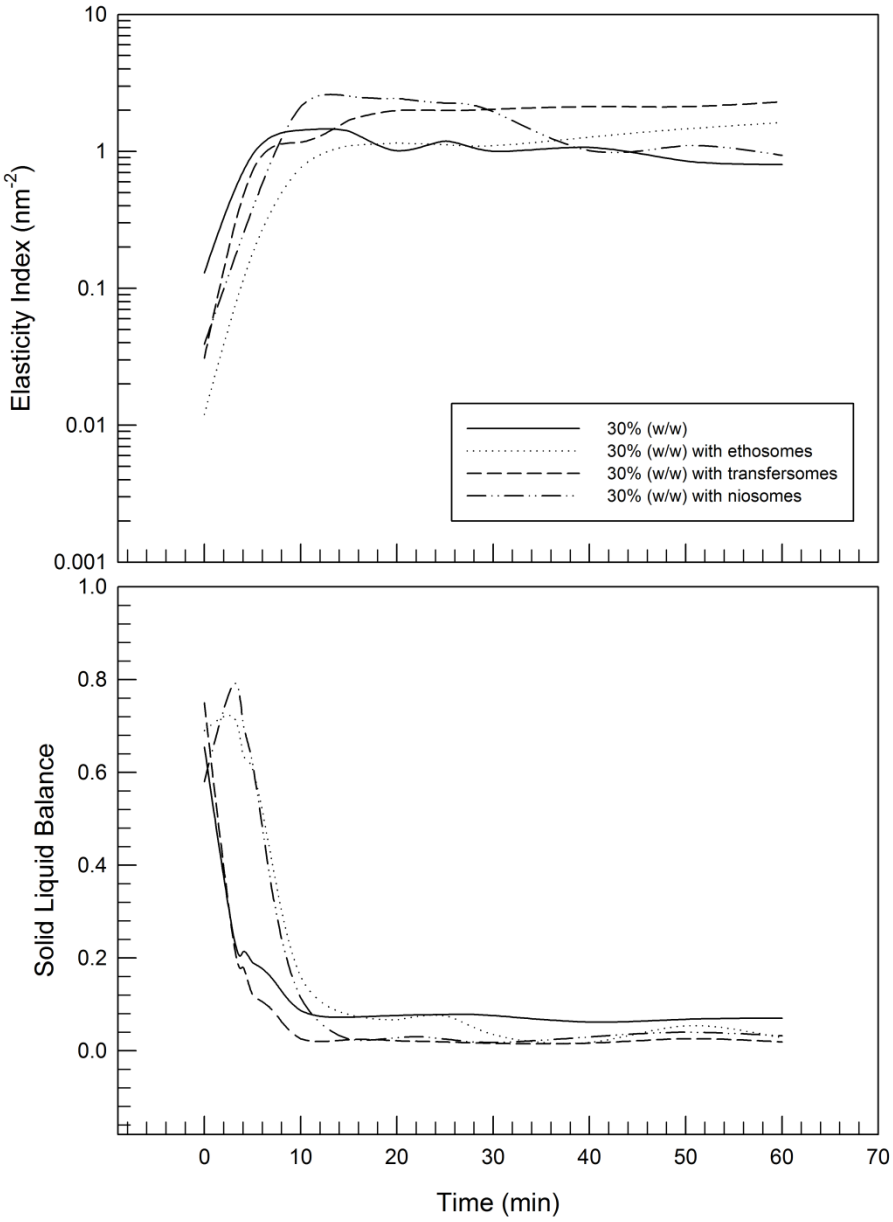


Figure S4: Elasticity Index (EI) and Solid Liquid Balance profile versus time for 30% (w/w) Poloxamer 470 with and without TDDSs.