

Stability of non-ionic surfactant vesicles loaded with Rifamycin S

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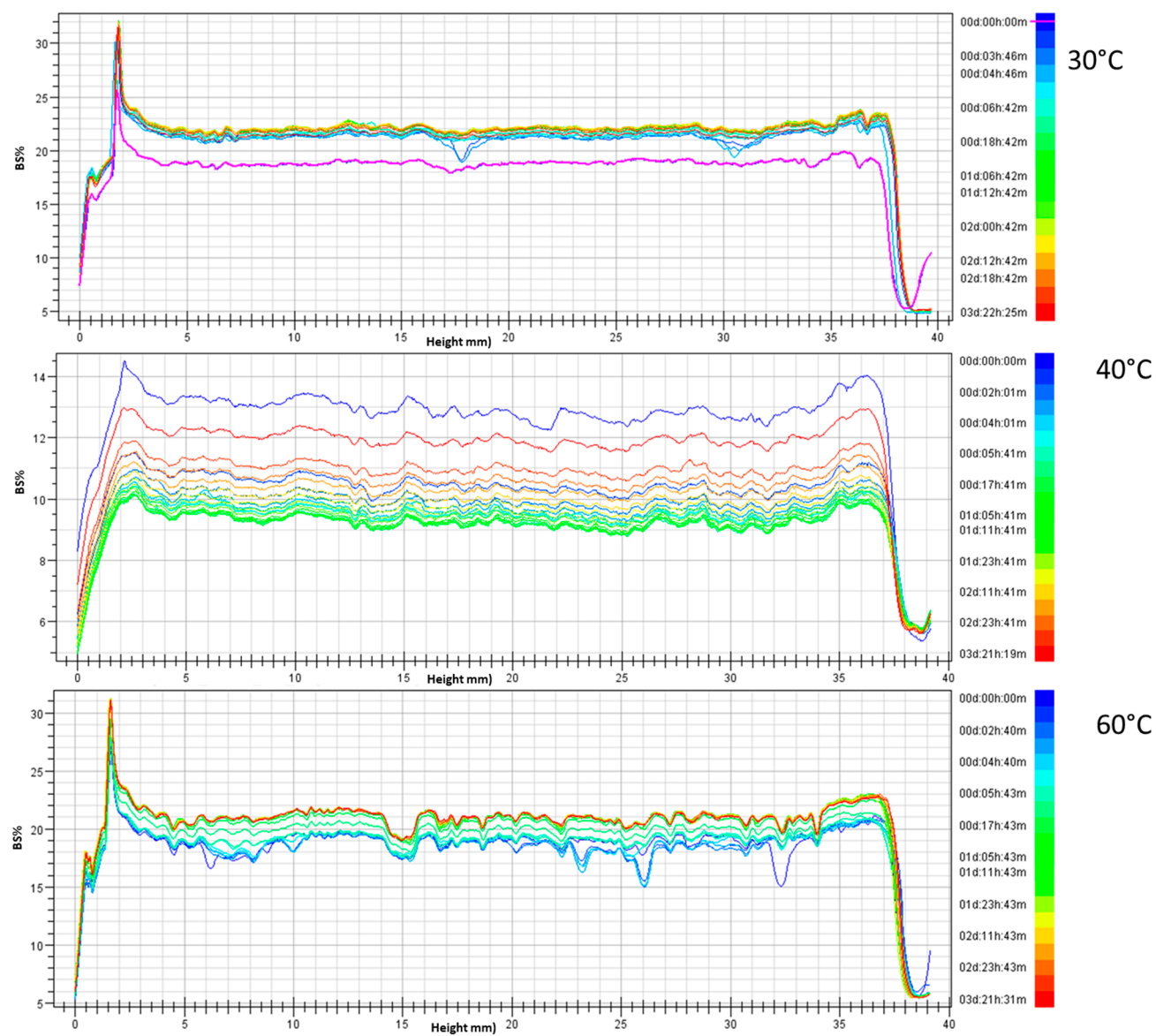


Figure S1. Graph of stability analysis for 3 days obtained from Turbiscan Lab Expert (Formulaction Co., France) of niosomes with Rifamycin S in MilliQ water at 3 temperatures: 30°C, 40°C and 60°C

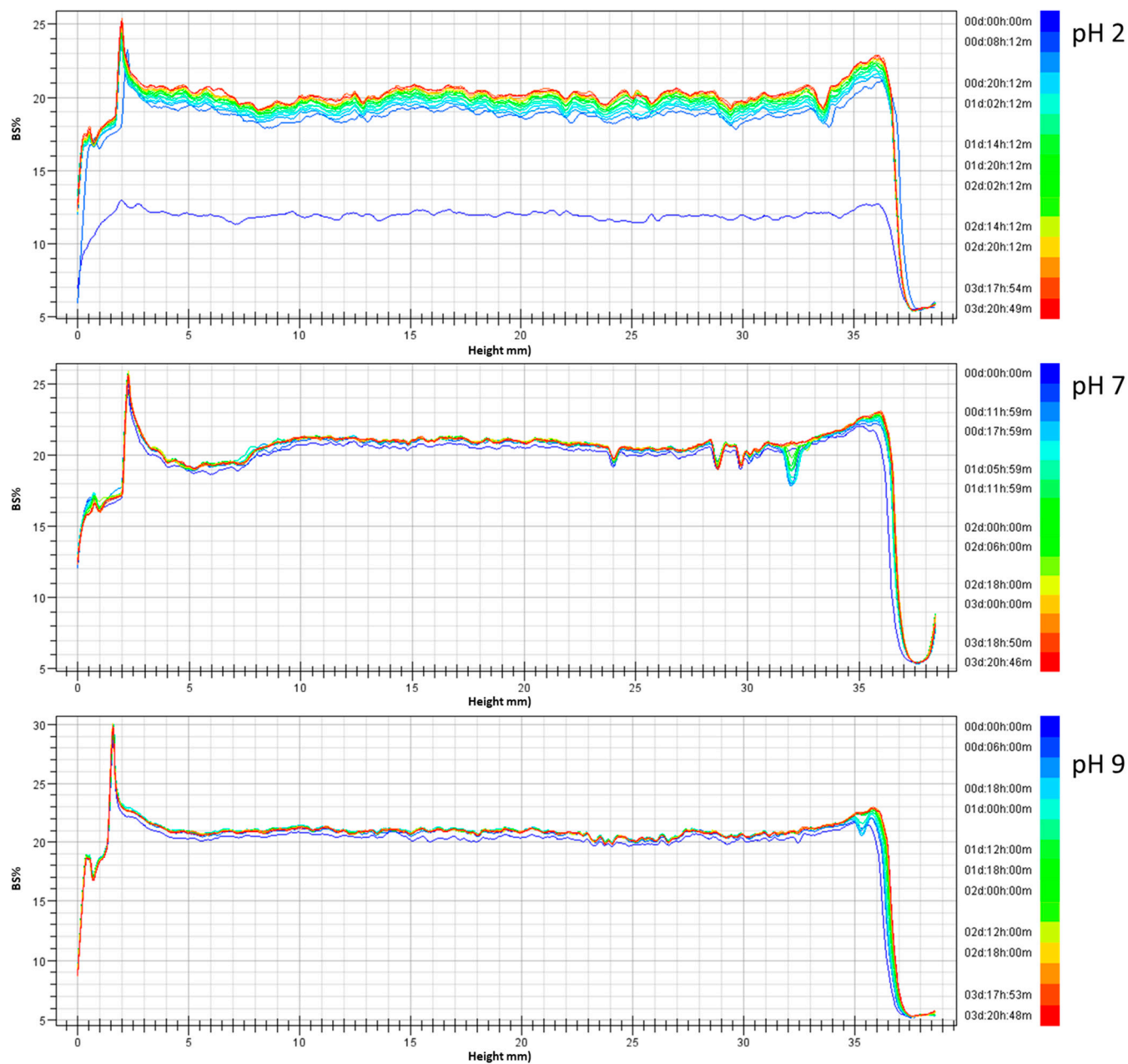


Figure S2. Graph of stability analysis for 3 days obtained from Turbiscan Lab Expert (Formulaction Co., France) of niosomes with Rifamicyn S in MilliQ water at 3 pH: 2, 7 and 9

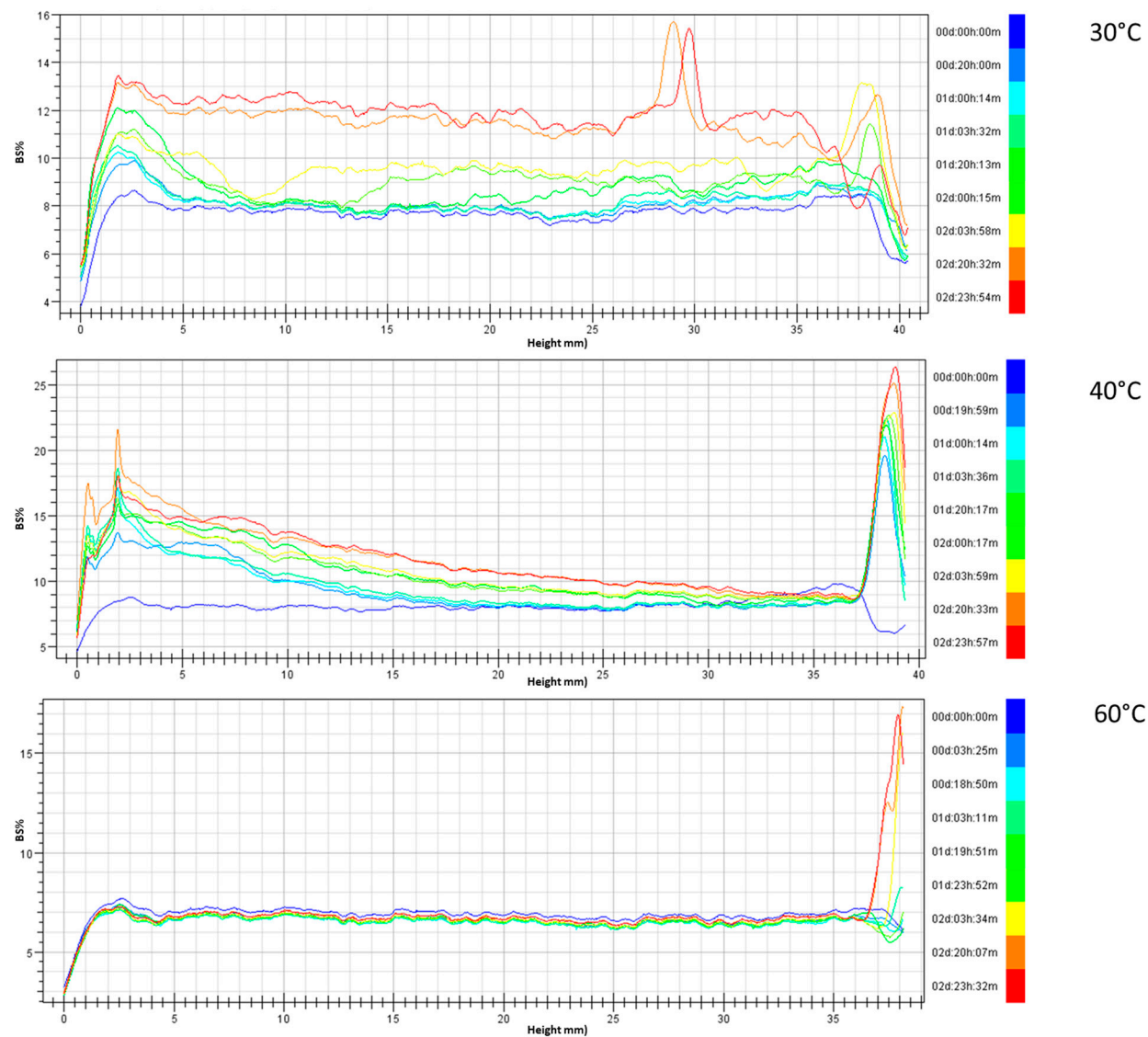


Figure S3. Graph of stability analysis for 3 days obtained from Turbiscan Lab Expert (Formulaction Co., France) of niosomes with Rifamicyn S in MilliQ water and glycerol (60:40) at 3 temperatures: 30°C, 40°C and 60°C

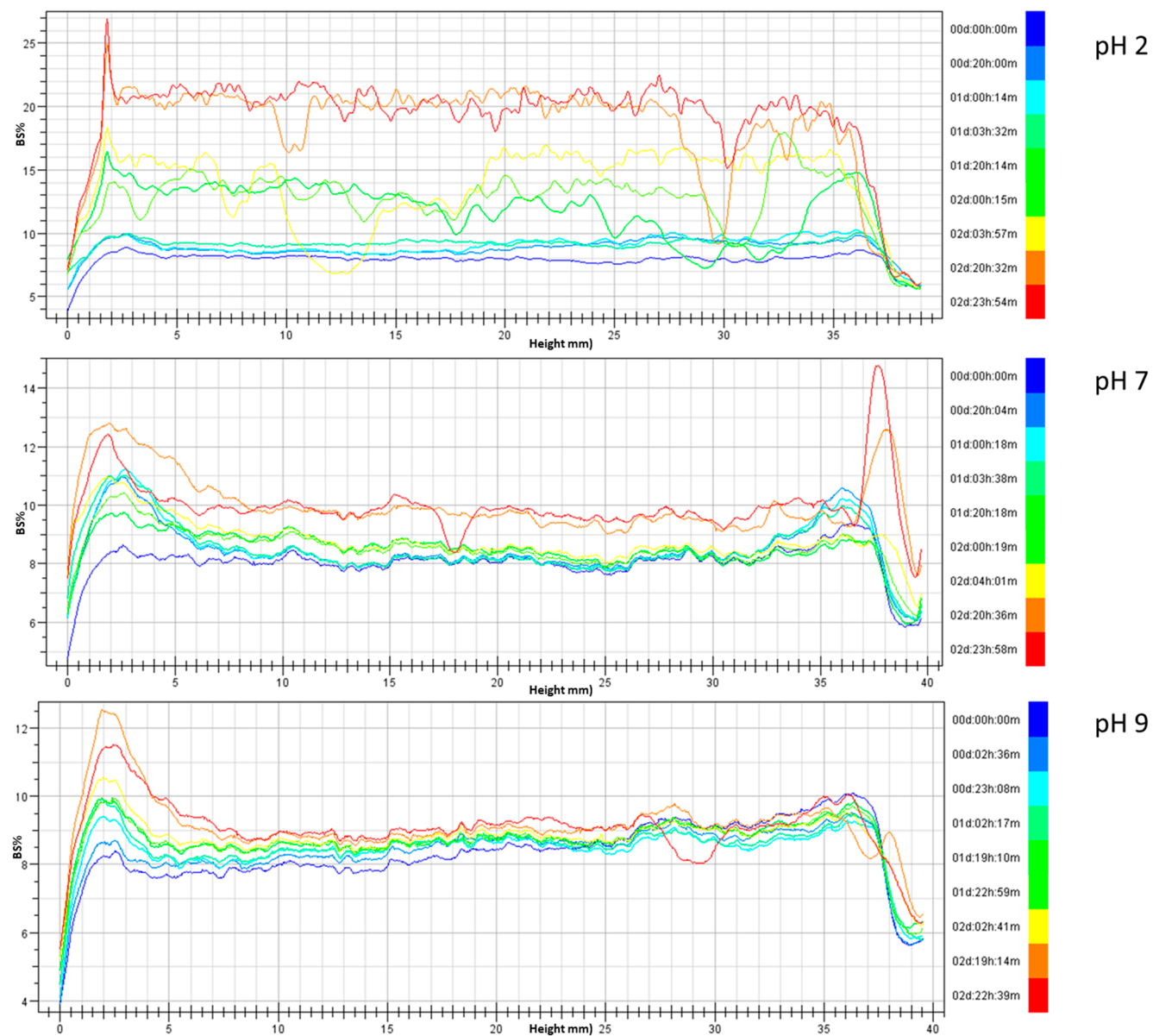


Figure S4. Graph of stability analysis for 3 days obtained from Turbiscan Lab Expert (Formulation Co., France) of niosomes with Rifamicyn S in MilliQ water and glycerol (60:40) at 3 pH: 2, 7 and 9

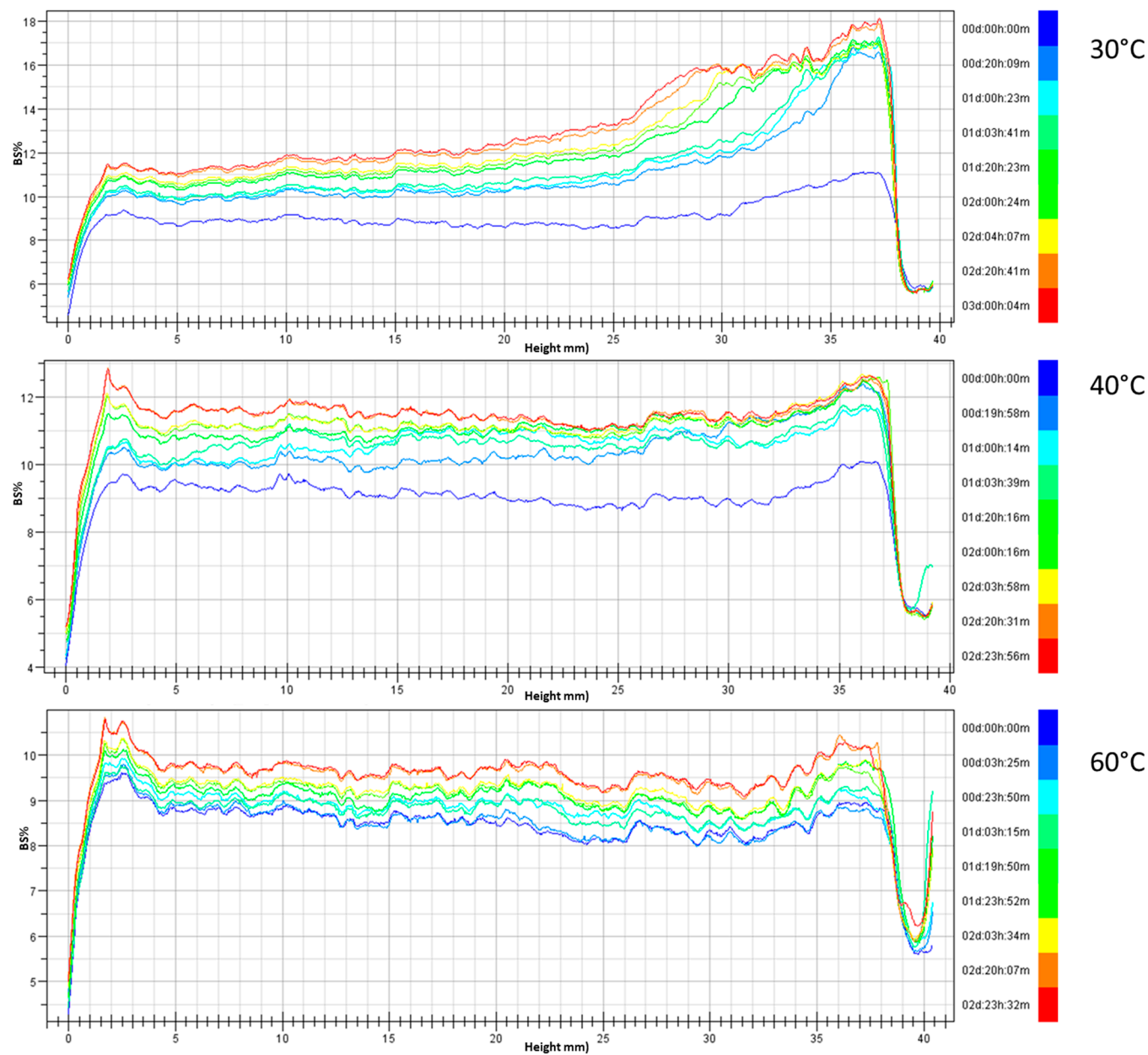


Figure S5. Graph of stability analysis for 3 days obtained from Turbiscan Lab Expert (Formulation Co., France) of niosomes with Rifamicyn S in MilliQ water and PEG400 (55,7:44,3) at 3 temperatures: 30°C, 40°C and 60°C

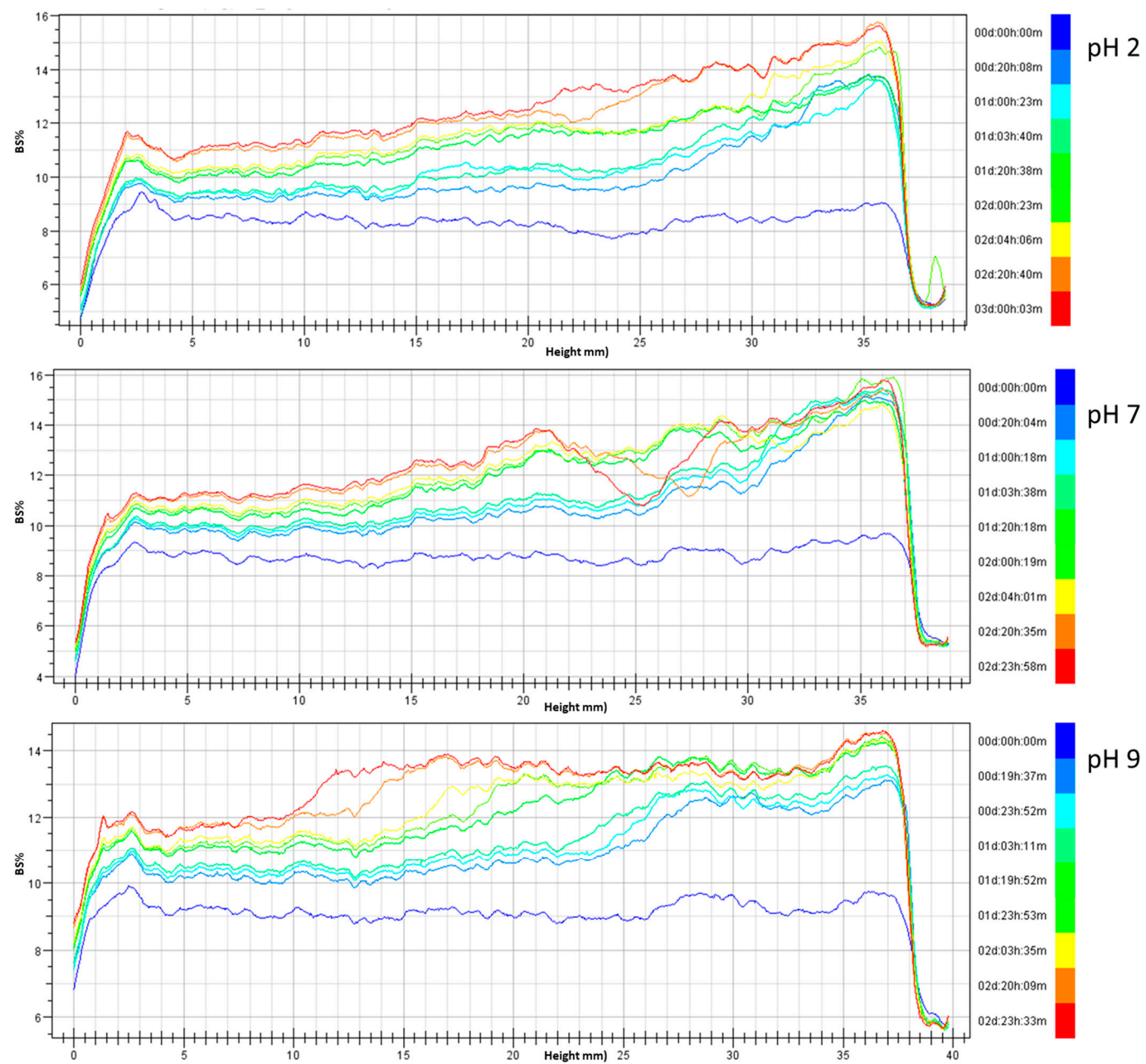


Figure S6. Graph of stability analysis for 3 days obtained from Turbiscan Lab Expert (Formulacion Co., France) of niosomes with Rifamicyn S in MilliQ water and PEG 400 (55,7:44,3) at 3 pH: 2, 7 and 9

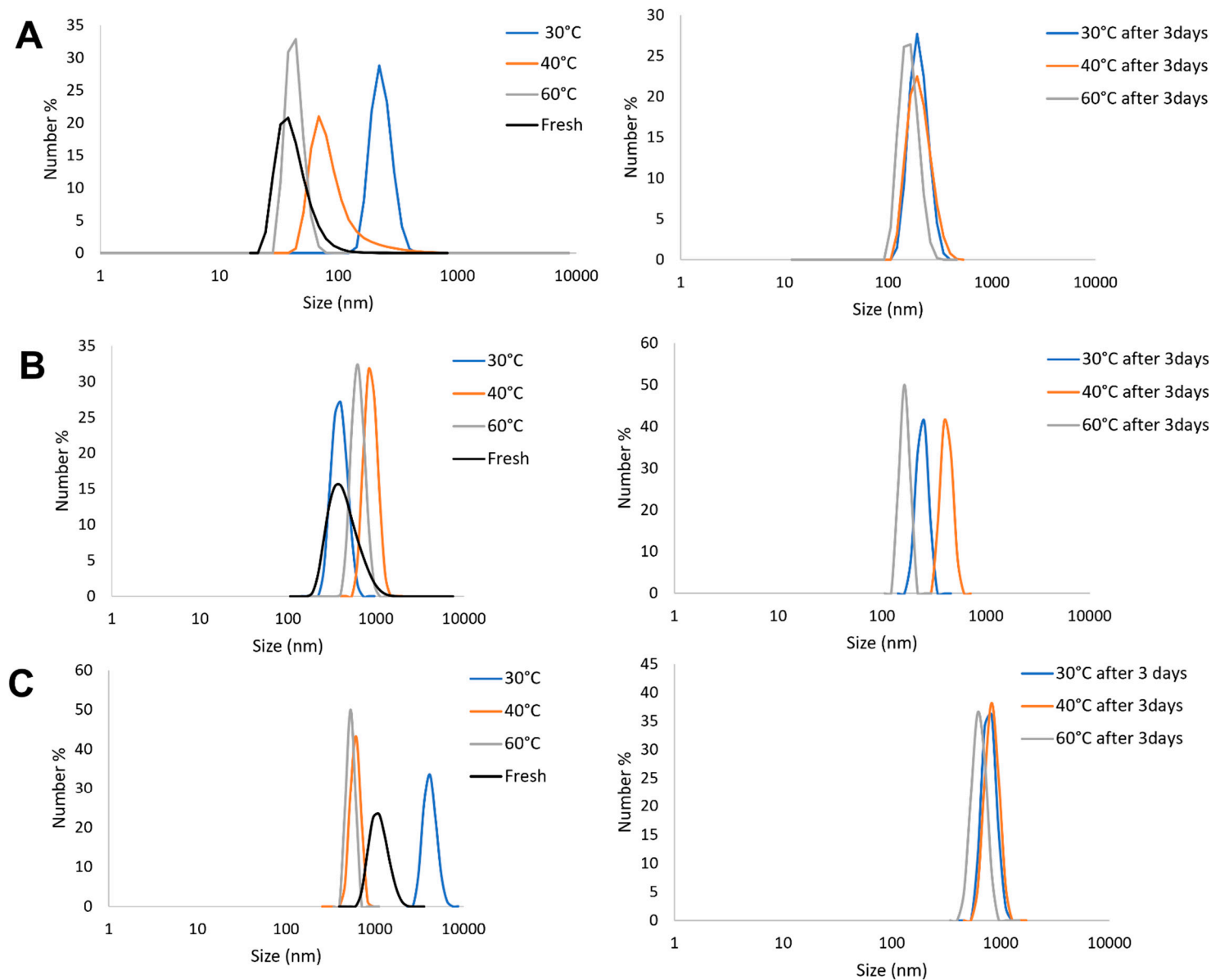


Figure S7. Size distribution curves of niosomes at 30°C, 40°C and 60°C fresh and after 3 days of storage. A) Niosomes with Rifamycin S encapsulated hydrated with pure MilliQ; B) Niosomes with Rifamycin S encapsulated hydrated with glycerol solution (60:40 v/v); C) Niosomes with Rifamycin S encapsulated hydrated with PEG 400 solution (44.7:55.3 v/v).

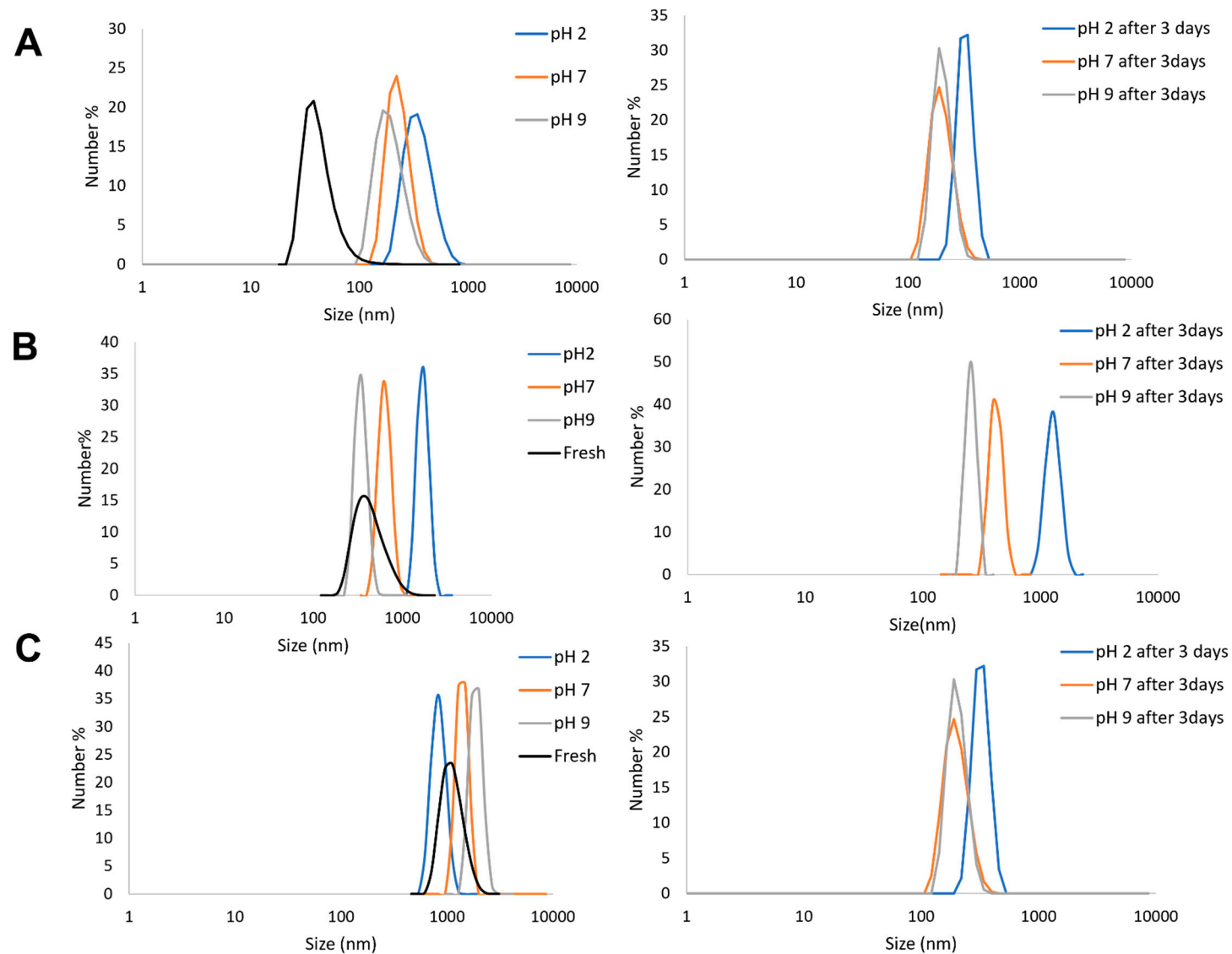


Figure S8. Distribution curves of niosomes at pH 2, 7 and 9 in day 0 and day 3. A) Niosomes with rifamycin encapsulated in milliQ water as aqueous phase; B) Niosomes with ri-famycin encapsulated in mixture of milliQ water and glycerol (60:40 v/v); C) Niosomes with rifamycin encapsulated in mixture of milliQ water and PEG 400 (44.7:55.3 v/v).