Table I. Operating parameters for inductively coupled plasma atomic emission spectrometry analysis (ICP-AES).

Parameter	**Value**
Operating power (W)	1300
Coolant Ar flow rate (L/min)	0.5
Plasma Ar flow rate (L/min)	15
Nebulizer type	Meinhard
Sample flow rate (mL/min)	1.0
Element	**λ (nm)**
Ca	317.9
Mg	279.1
Cu	324.8
Fe	238.2

Table II. Concentrations of Ca, Mg, Cu, and Fe in the models solutions with pH 4.4 during 90 days at 25°C.

Days	Ca (mg/L)[a]	Mg (mg/L)[a]	Cu (mg/L)[a]	Fe (mg/L)[a]
0	$2{,}6 \times 10^{-4}$	$3{,}6 \times 10^{-4}$	$7{,}9 \times 10^{-5}$	$4{,}4 \times 10^{-5}$
30	$2{,}4 \times 10^{-4}$	$3{,}3 \times 10^{-4}$	$7{,}6 \times 10^{-5}$	$4{,}2 \times 10^{-5}$
60	$2{,}8 \times 10^{-4}$	$3{,}8 \times 10^{-4}$	$8{,}4 \times 10^{-5}$	$4{,}7 \times 10^{-5}$
90	$2{,}5 \times 10^{-4}$	$3{,}5 \times 10^{-4}$	$7{,}6 \times 10^{-5}$	$4{,}2 \times 10^{-5}$
C.V.%[b]	6.6	5.9	4.8	5,4

a = each measurement performed in triplicate. b = C.V.% Coefficient of variation of metals in solution model obtained from the quantifications over the time.

Figure I. Photomicrographs obtained by scanning electronic microscopy (SEM) of precipitates of dextrans used for evaluation of the suitability of the use of membranes to retain the dextran deposits in the model solutions.

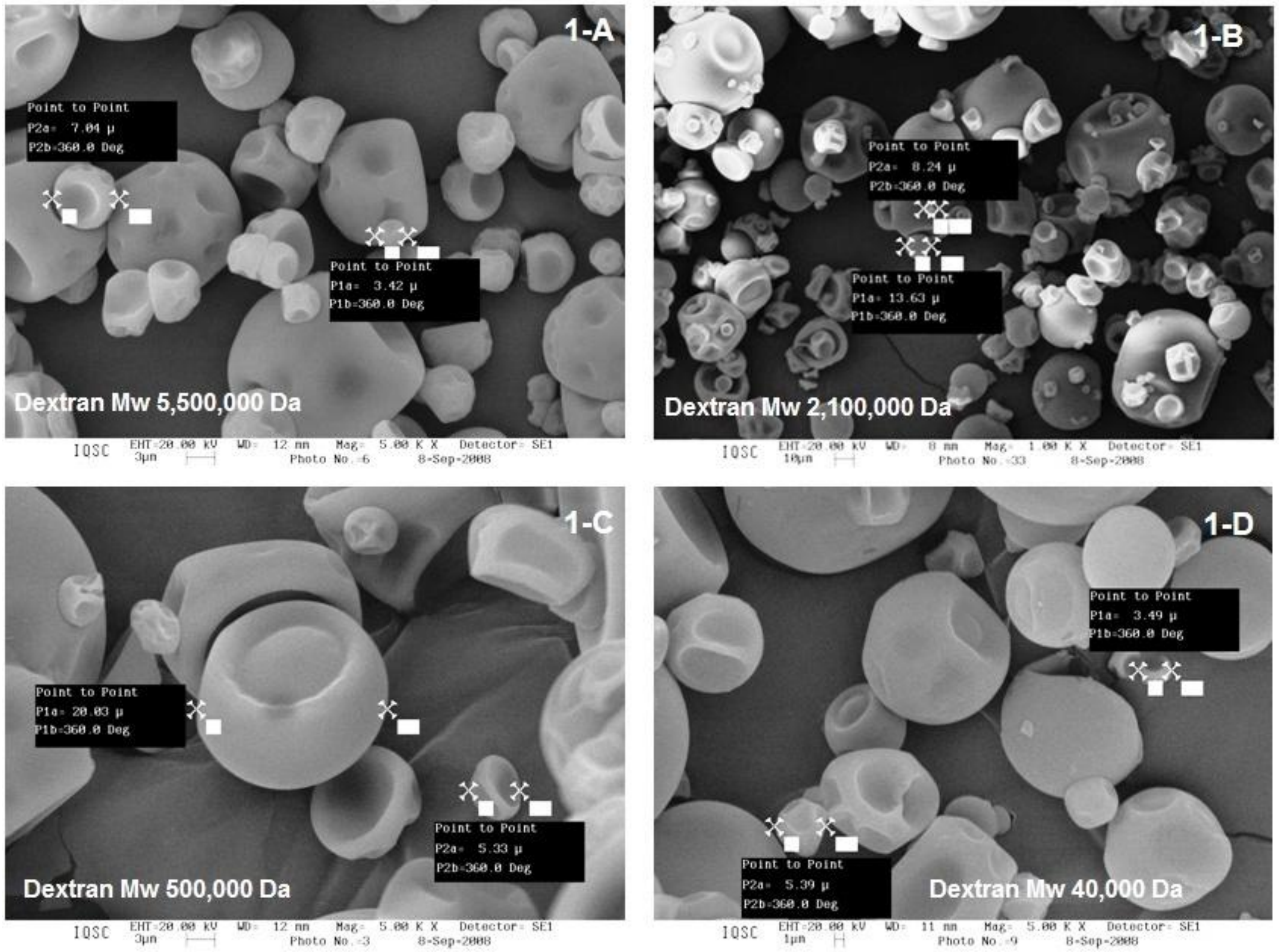
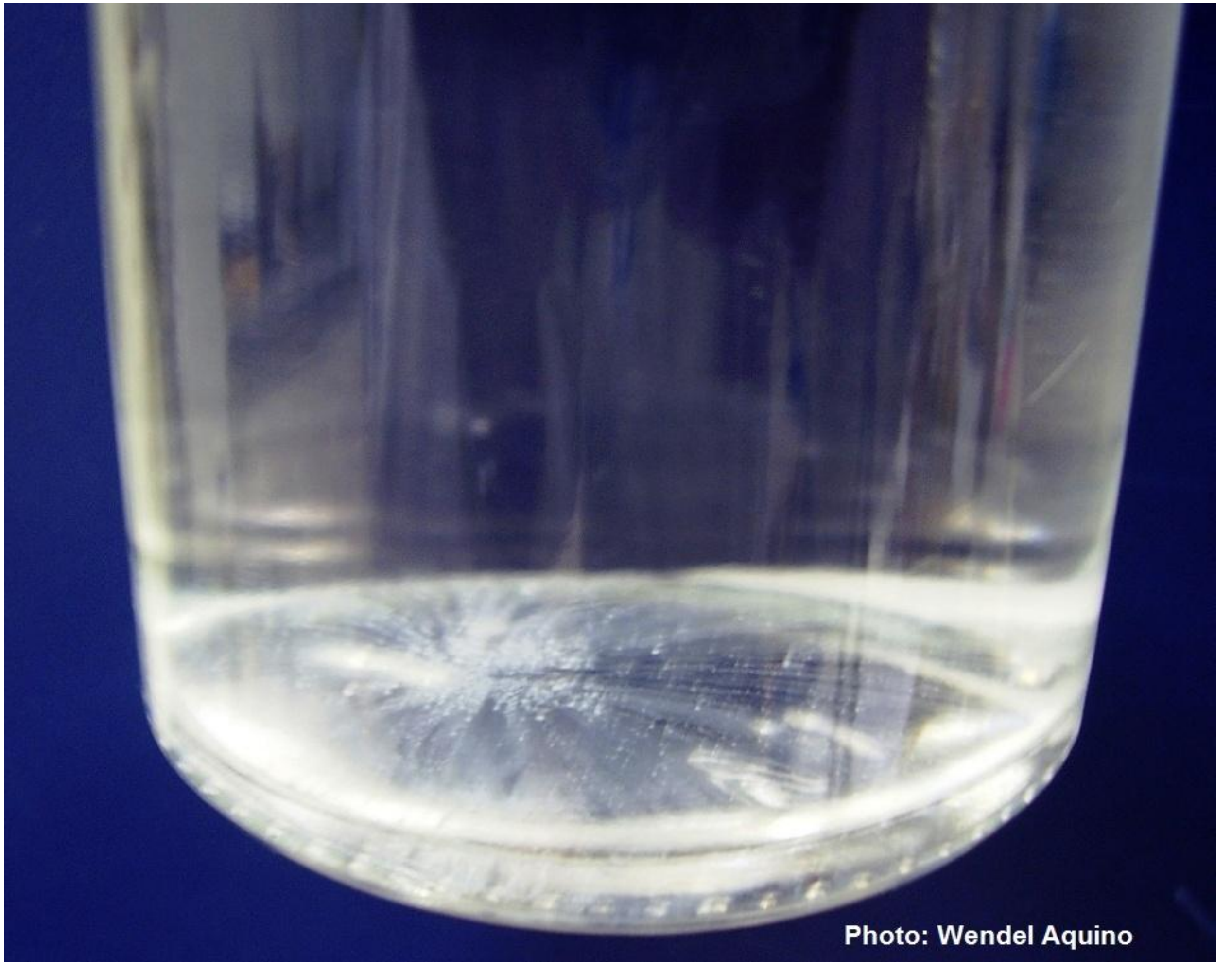


Figure II. Precipitated dextran Mw 2.1 x 10^6 Da in a model solution.



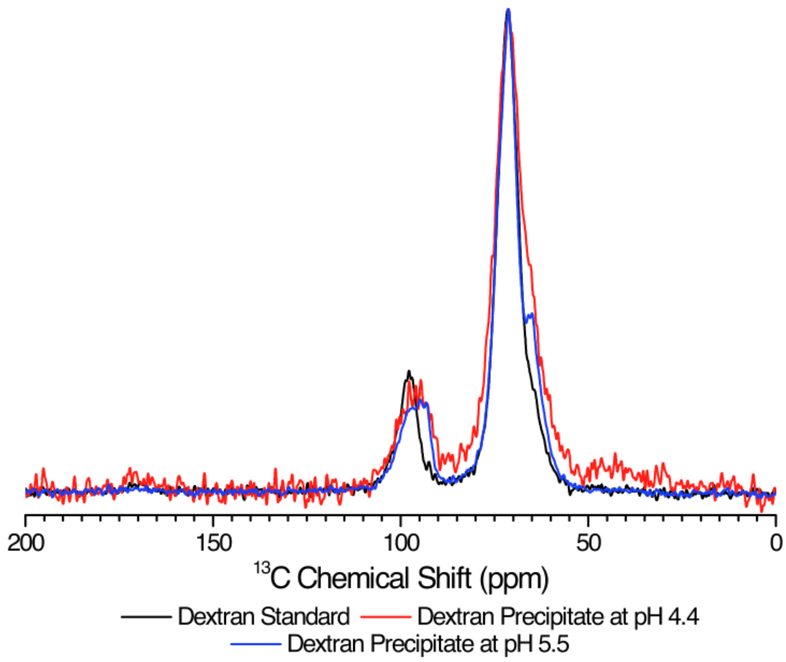


Figure III. ^{13}C-NMR spectra of a dextran standard and precipitates of a dextran (Mw 2.1 x 10^6 Da) at pH values of 4.4 and 5.5.