

Supplementary Materials to the article:

Pharmaceutical Development of Nanostructured Vesicular Hydrogel Formulations of Rifampicin for Wound Healing

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Table S1: Process parameters during the freeze-drying process of liposomal HPMC gel.

Name	Duration [hh:mm]	Time [hh:mm]	Vacuum pressure [mbar]	Temperature [°C]
Freezing (Load at end of section)	01:00	01:00	1024	-60
Freezing	02:30	03:30	1024	-60
Primary Drying	01:00	04:30	0.94	-30
	05:00	09:30	0.006	-10
	31:00	40:30	0.006	-10
Secondary Drying	00:30	41:00	0.006	10
	10:00	51:00	0.006	20
	4:00	55:00	1.024	20

Table S2: Process parameters during the final freeze-drying process of liposomal hyaluronic acid-collagen gel.

Name	Duration [hh:mm]	Time [hh:mm]	Vacuum pressure [mbar]	Temperature [°C]
Freezing (Load at end of section)	01:00	01:00	1024	-60
Freezing	02:30	03:30	1024	-60
Primary Drying	01:00	04:30	0.94	-60
	02:00	06:30	0.94	-60
	01:00	07:30	0.52	-60
	03:00	10:30	0.52	-60
	01:00	11:30	0.20	-60
	05:00	16:30	0.20	-60
	01:00	17:30	0.07	-60
	10:00	27:30	0.07	-60
	30:00	57:30	0.07	-55
	20:00	77:30	0.07	-50
	20:00	97:30	0.07	-45
	20:00	117:30	0.07	-40
	20:00	137:30	0.07	-35
	20:00	157:30	0.07	-30
	20:00	177:30	0.07	-25
	20:00	197:30	0.07	-20
	20:00	207:30	0.07	-10
	10:00	217:30	0.07	-10
Secondary Drying	05:00	222:30	0.006	10
	10:00	232:30	0.006	20
	4:00	236:30	1.024	20