

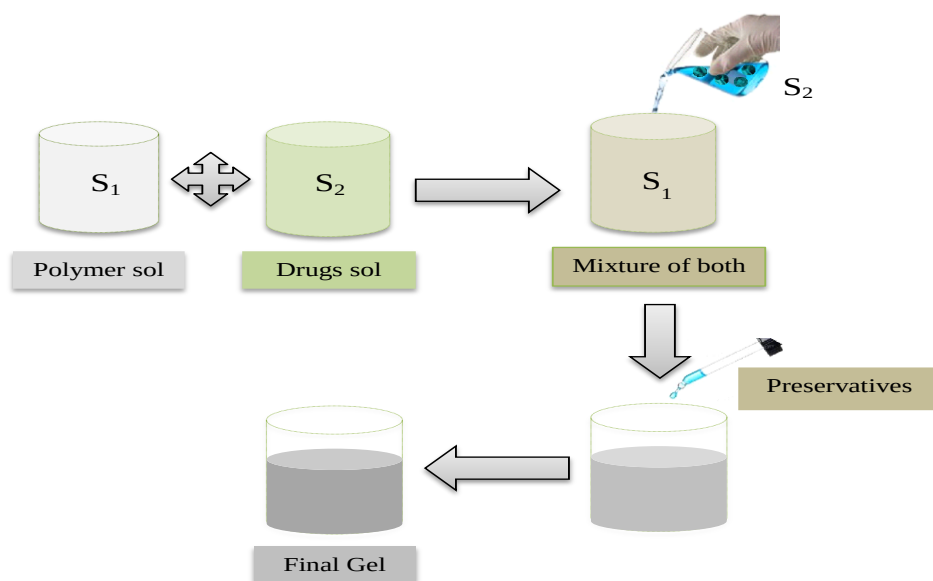
Supplementary Information

Supplementary Table 1 Physicochemical characterization of various gel formulations

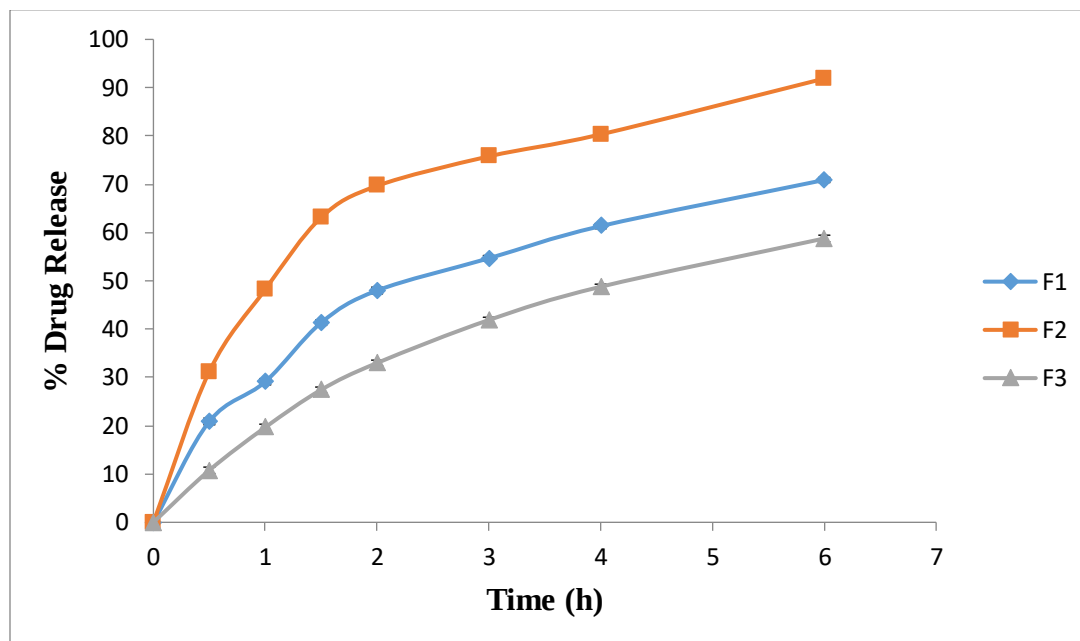
Formulations	Organoleptic Properties					pH	Spreadability (g.cm/s)
	Color	Odour	Homogeneity	Grittiness	Consistency		
F1	White Transparent	odorless	Homogeneous	No	Gel Like	5.9	15.60
F2	Off White	odorless	Homogeneous	No	Gel Like	6.24	15.60
F3	White	odorless	Homogeneous	No	Gel Like	6.1	14.40
F4	Light Yellow	odorless	Homogeneous	No	Thin	4.9	15.60
F5	Light Yellow	odorless	Homogeneous	No	Thin	6.0	16.14
F6	Light Yellow	odorless	Clumpy	No	Gel Like	5.9	16.71
F7	Yellow	odorless	Homogeneous	No	Gel Like	6.2	14.40
F8	Yellowish Translucent	odorless	Homogeneous	No	Gel Like	6.13	13.37
F9	Yellowish Translucent	odorless	Homogeneous	No	Thick	6.0	10.40

Supplementary Table 2 Stability studies of gel at various temperatures

Parameters (F2)	Temperatures (°C)		
	8°C	25°C	40°C
Color	White	White	Light Pink
Odor	Odorless	Odorless	Odorless
Homogeneity	Homogeneous	Homogeneous	Homogeneous
Grittiness	No	No	No
Consistency	Gel Like	Gel Like	Slightly Change
pH	6.24	6.13	6.1
Spreadability (g.cm/s)	15.49	15.60	15.99
Viscosity (cps)	10250	10014	9987
Drug Content (%)	91.89±0.3	92.02±0.32	91.76±0.31



Supplementary Figure 1 Schematic diagram of dispersion method of gel preparation



Supplementary Figure 2 Comparison of in-vitro diffusion study of gels.