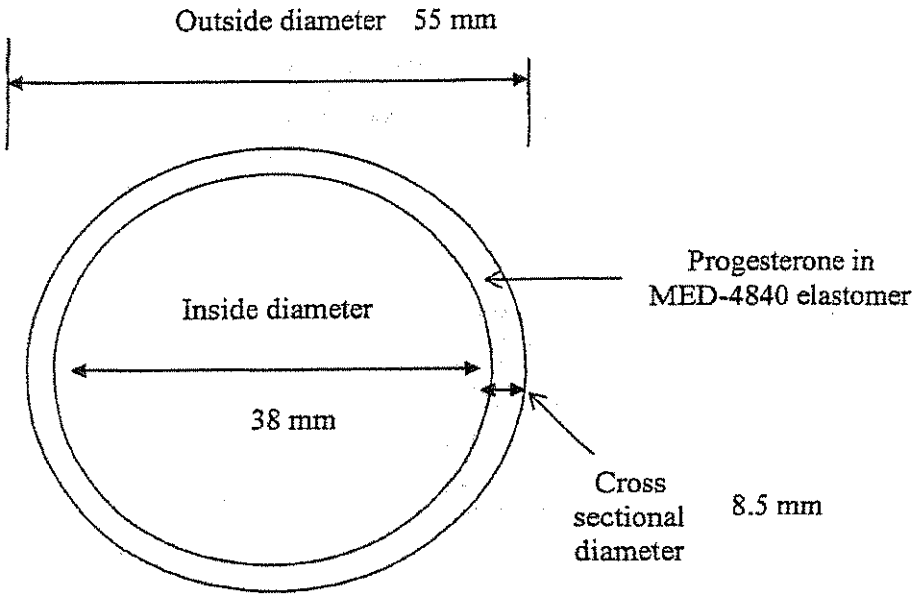

Outside diameter 55 mm
Progesterone in
MED-4840 elastomer
Inside diameter
38 mm
Cross
sectional
diameter
8.5 mm

Figure 1

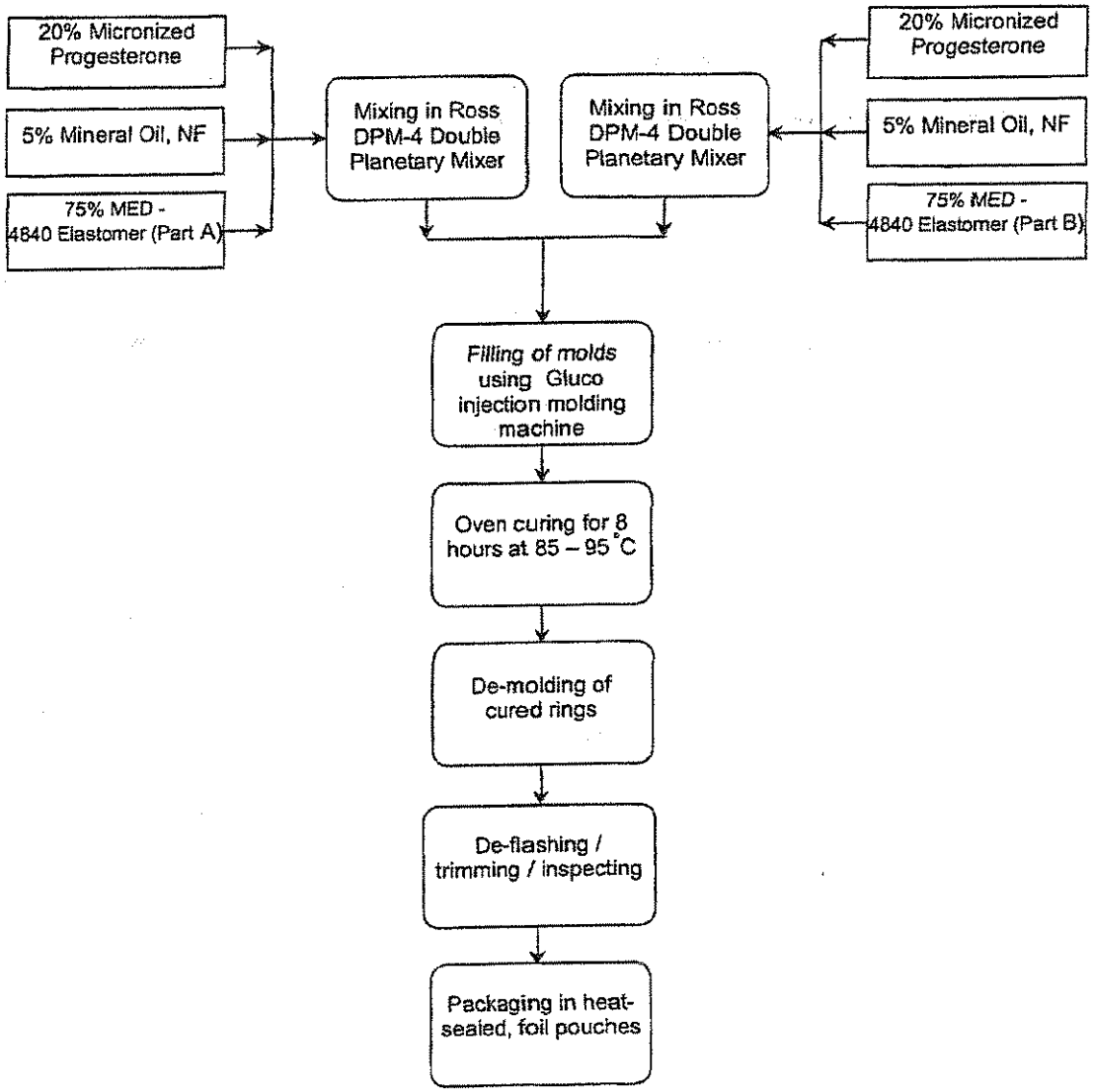

20% Micronized Progesterone
5% Mineral Oil, NF
75% MED - 4840 Elastomer (Part A)
Mixing in Ross DPM-4 Double Planetary Mixer
Mixing in Ross DPM-4 Double Planetary Mixer
20% Micronized Progesterone
5% Mineral Oil, NF
75% MED - 4840 Elastomer (Part B)
Filling of molds using Gluco injection molding machine
Oven curing for 8 hours at 85 – 95 °C
De-molding of cured rings
De-flashing / trimming / inspecting
Packaging in heat-sealed, foil pouches

Figure 2

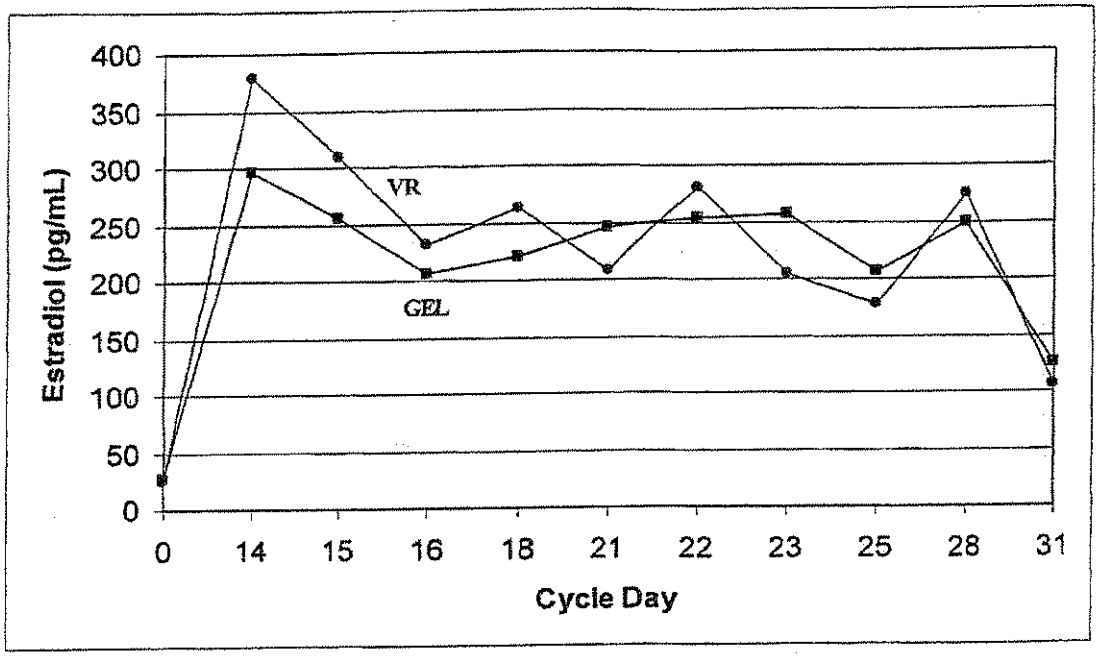

400
350
300
250
200
150
100
50
0
Estradiol (pg/mL)
VR
GEL
0
14
15
16
18
21
22
23
25
28
31
Cycle Day

Figure 3

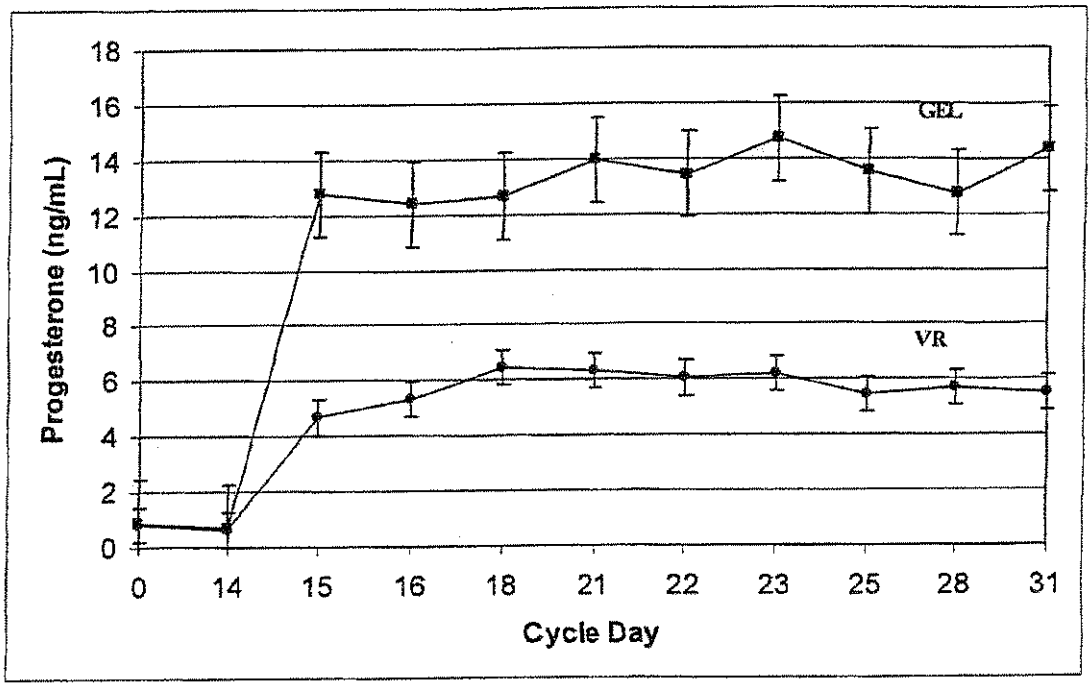

Progesterone (ng/mL)
18
16
14
12
10
8
6
4
2
0
GEL
VR
0
14
15
16
18
21
22
23
25
28
31
Cycle Day

Figure 4

Time (day)	Amount Released (mg/day)	%RSD
1	23.8	5.5
2	22.8	6.0
3	20.2	9.7
4	19.5	9.2
5	20.4	9.2
6	19.1	7.4
7	19.2	9.9

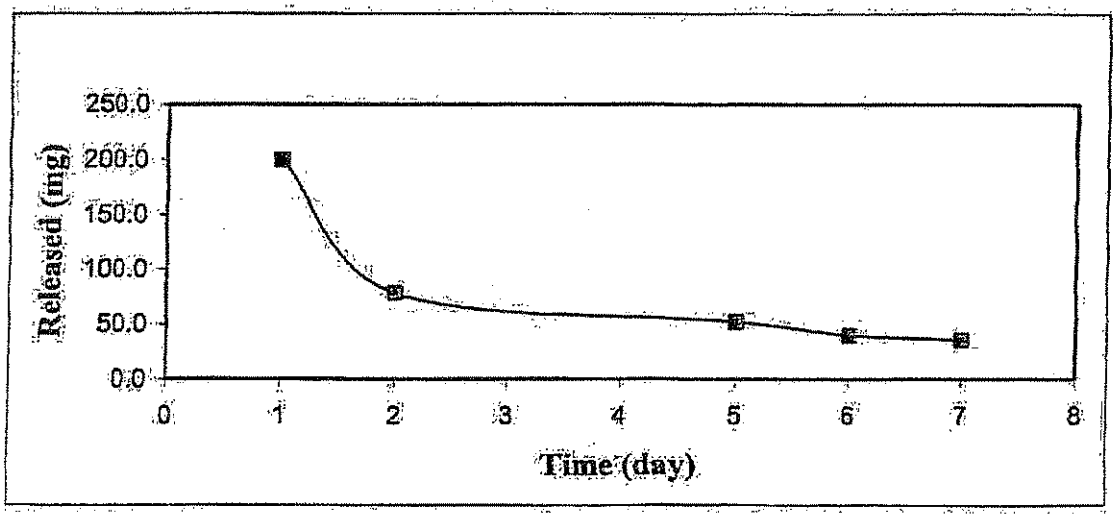


Figure 5