

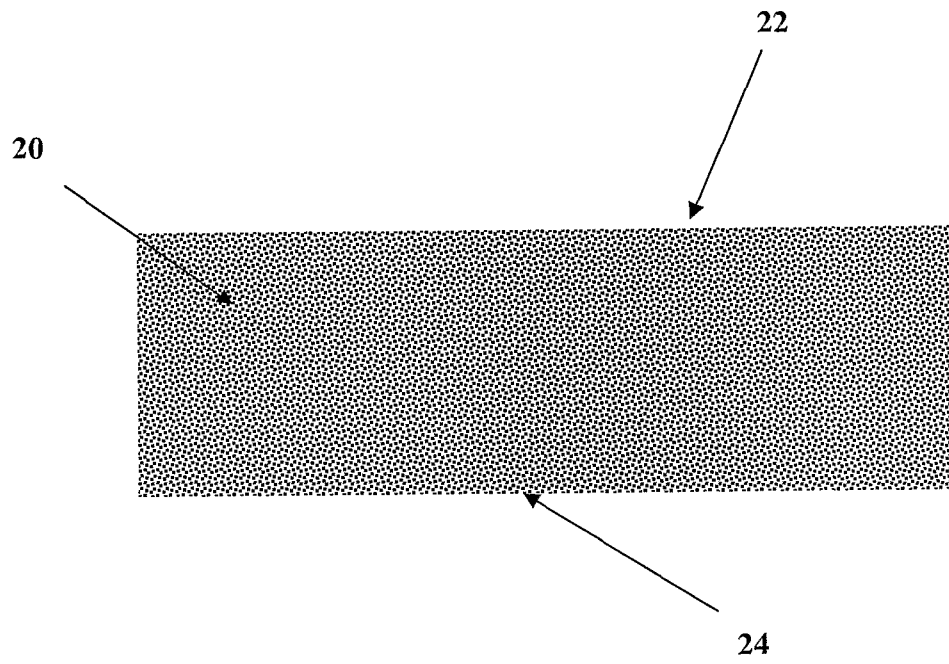


FIG. 1

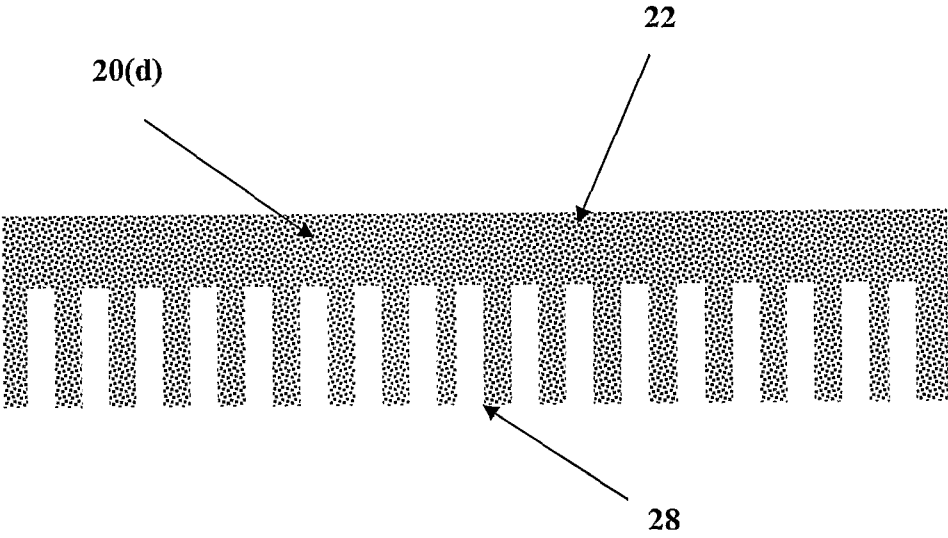


FIG. 2

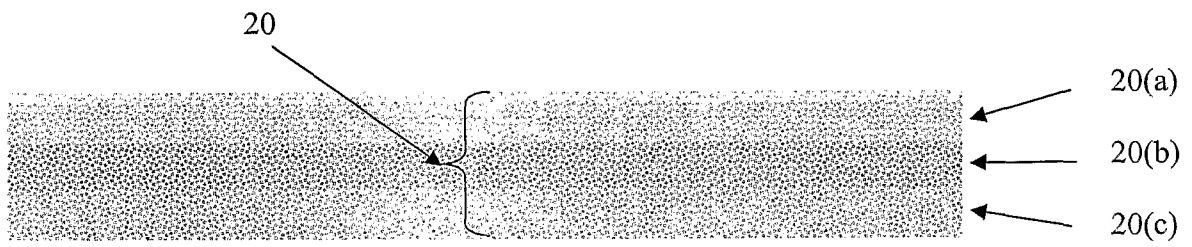


FIG. 3

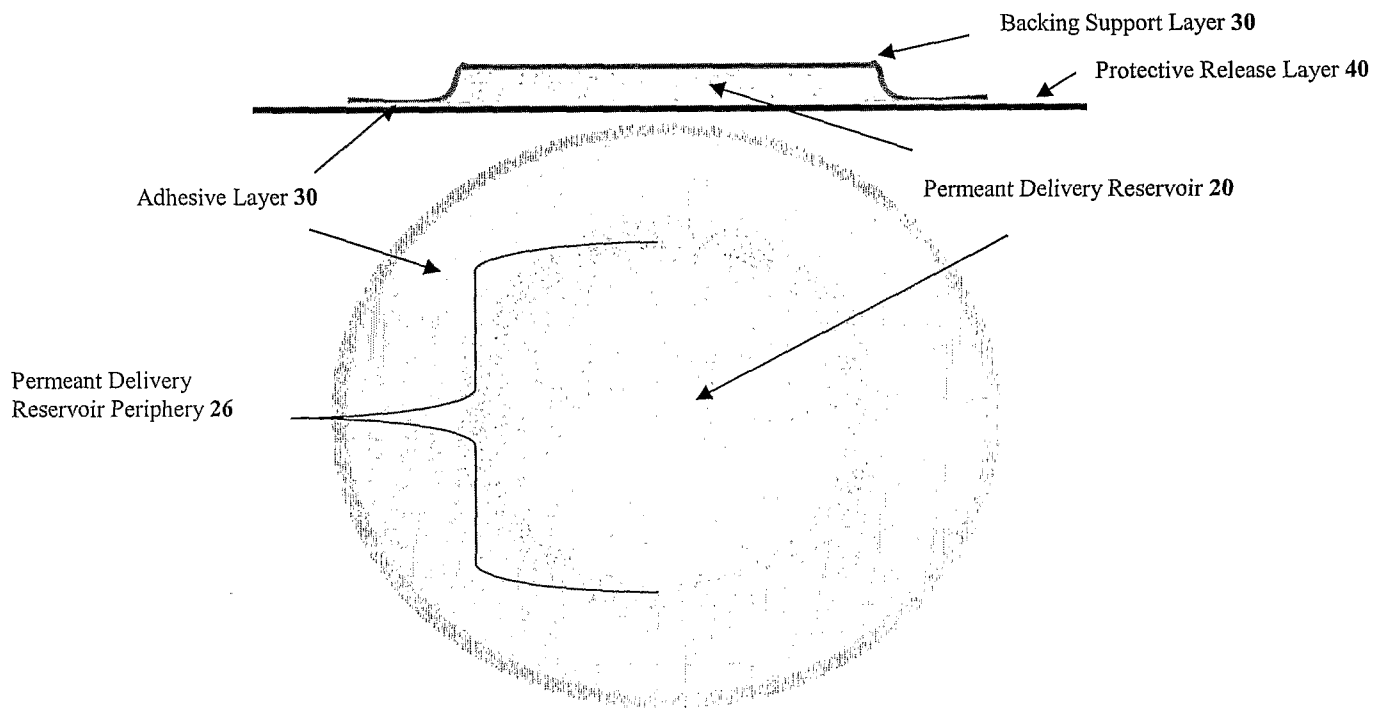


FIG. 4

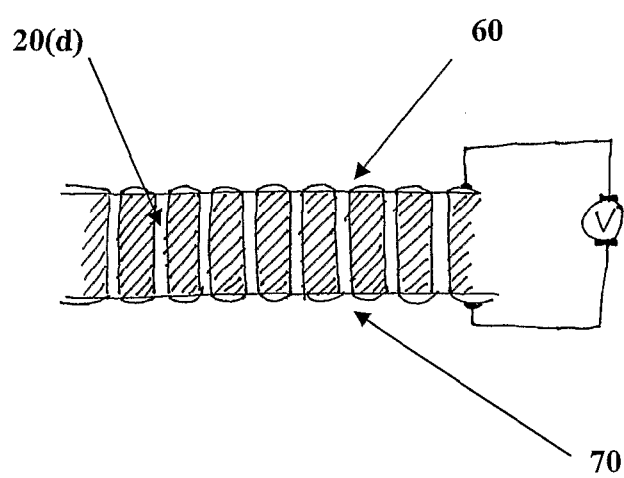


FIG. 5

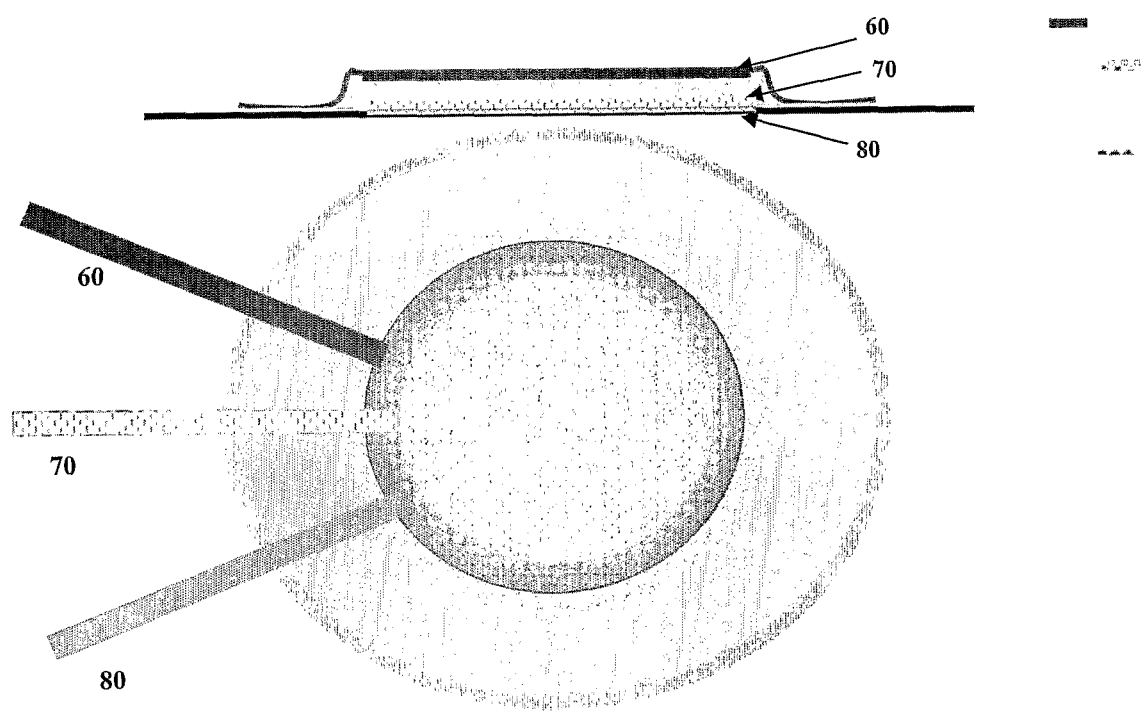


FIG. 6

In Vitro Drug Release Kinetics

Effect of Reservoir Thickness

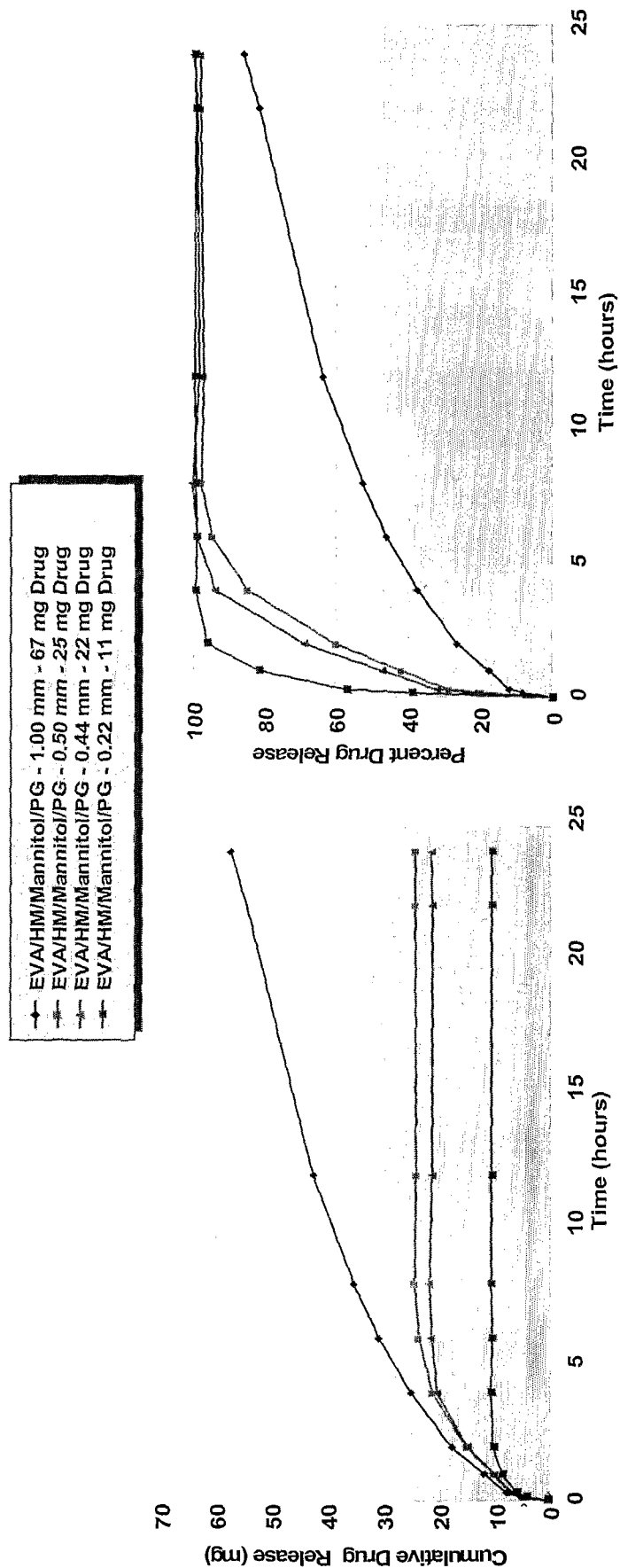


FIG. 7

EVA-based Formulations
Single 24 Hour Application Using Drug in EVA Film

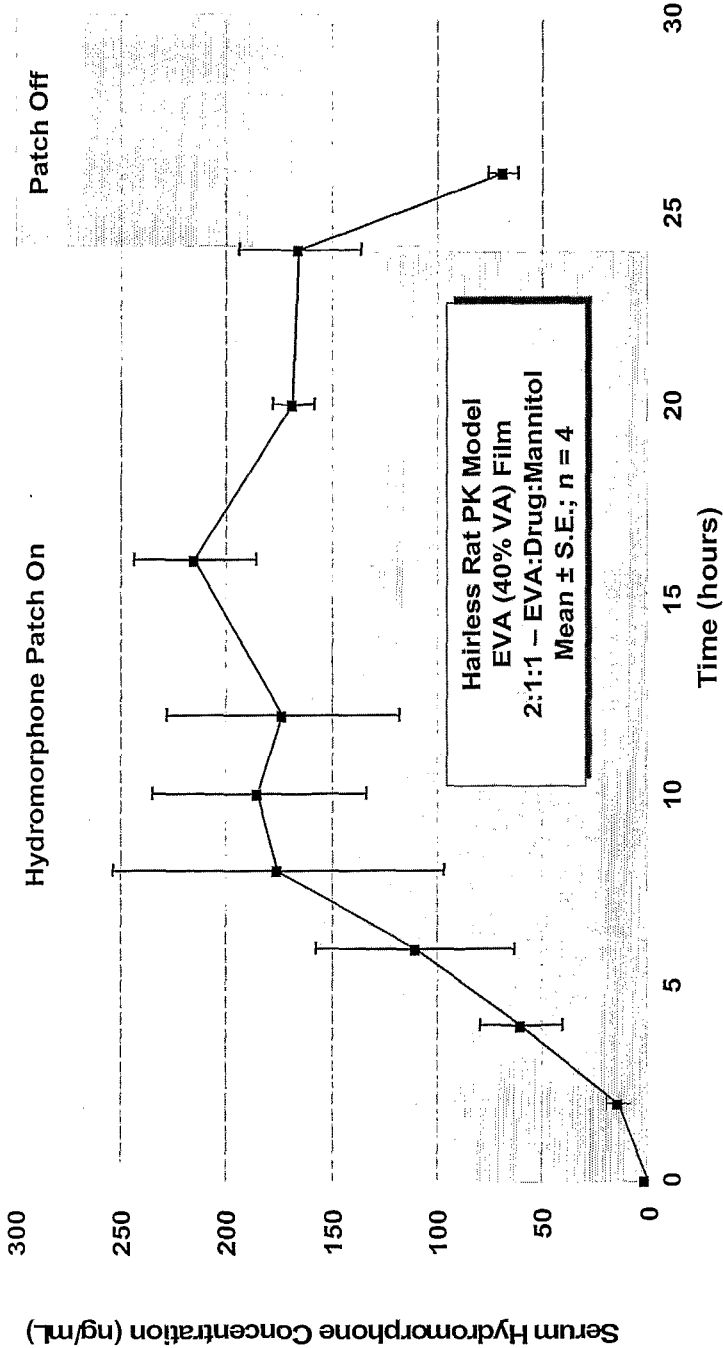


FIG. 8

EVA-based Formulations

Effect of Reservoir Thickness

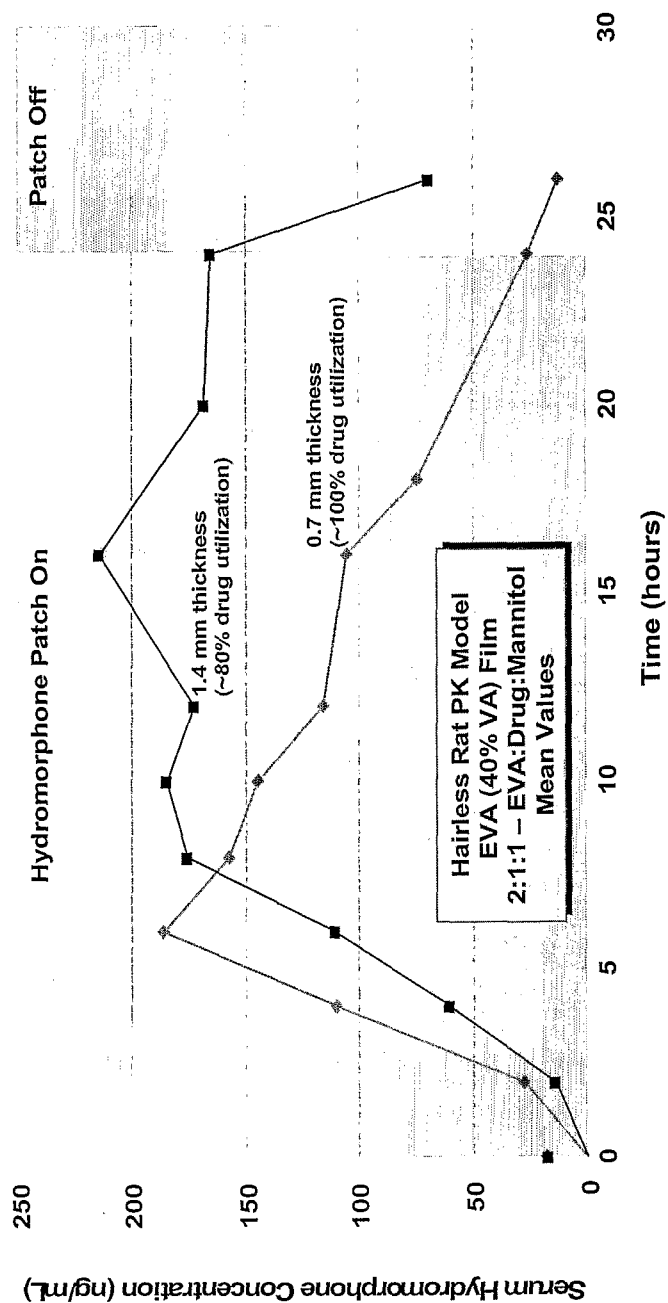


FIG. 9

Drug Utilization

Aqueous Gel and Polymeric Reservoirs

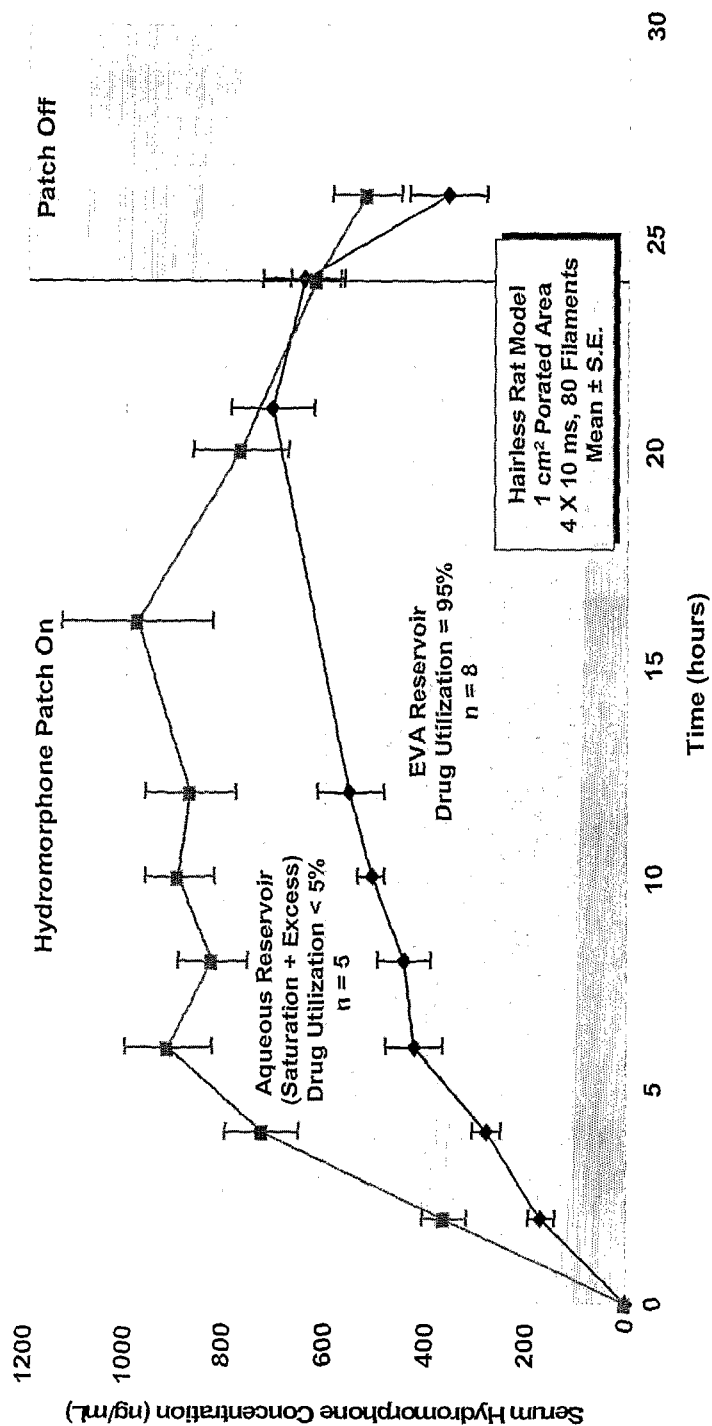


FIG. 10

Drug Utilization – Polymeric Reservoirs

Proportional to Reservoir Thickness

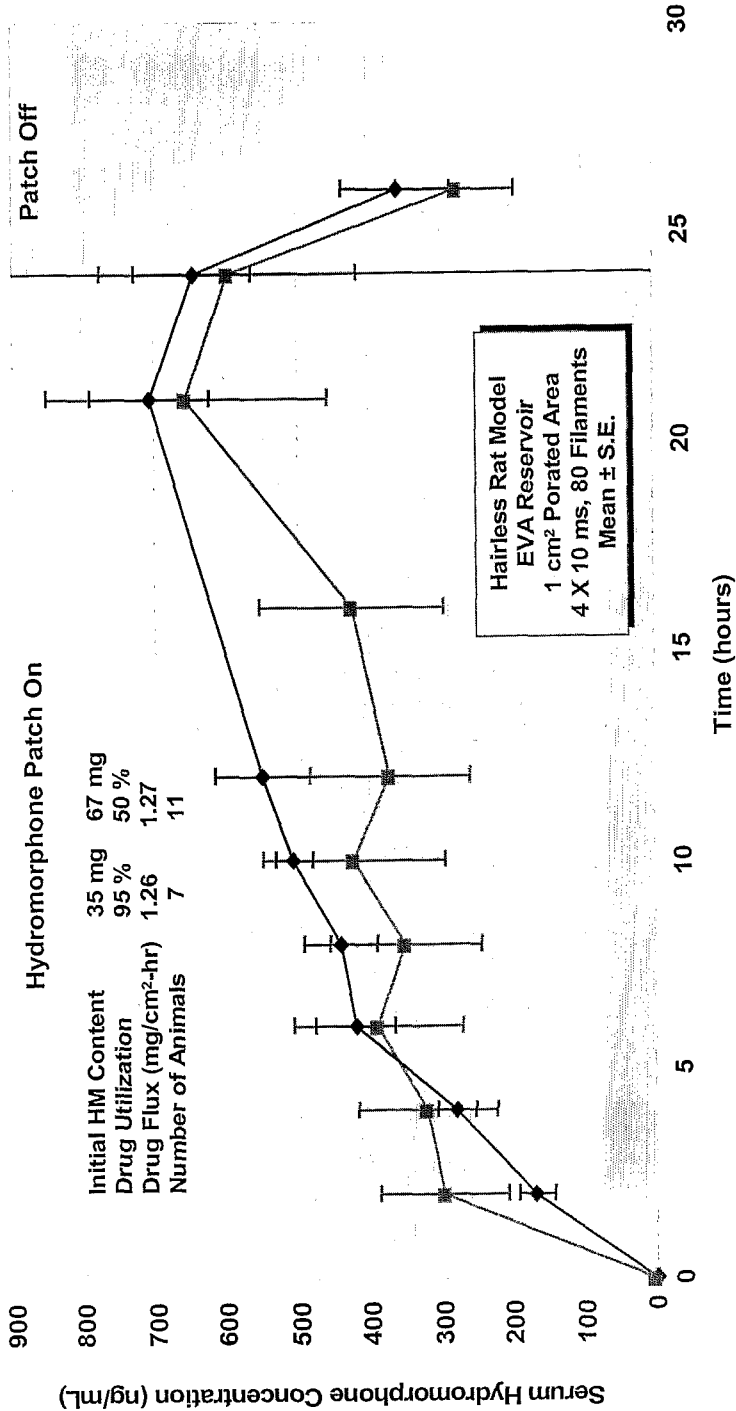


FIG. 11

Polymeric Reservoir Poration Conditions Used in Human Studies

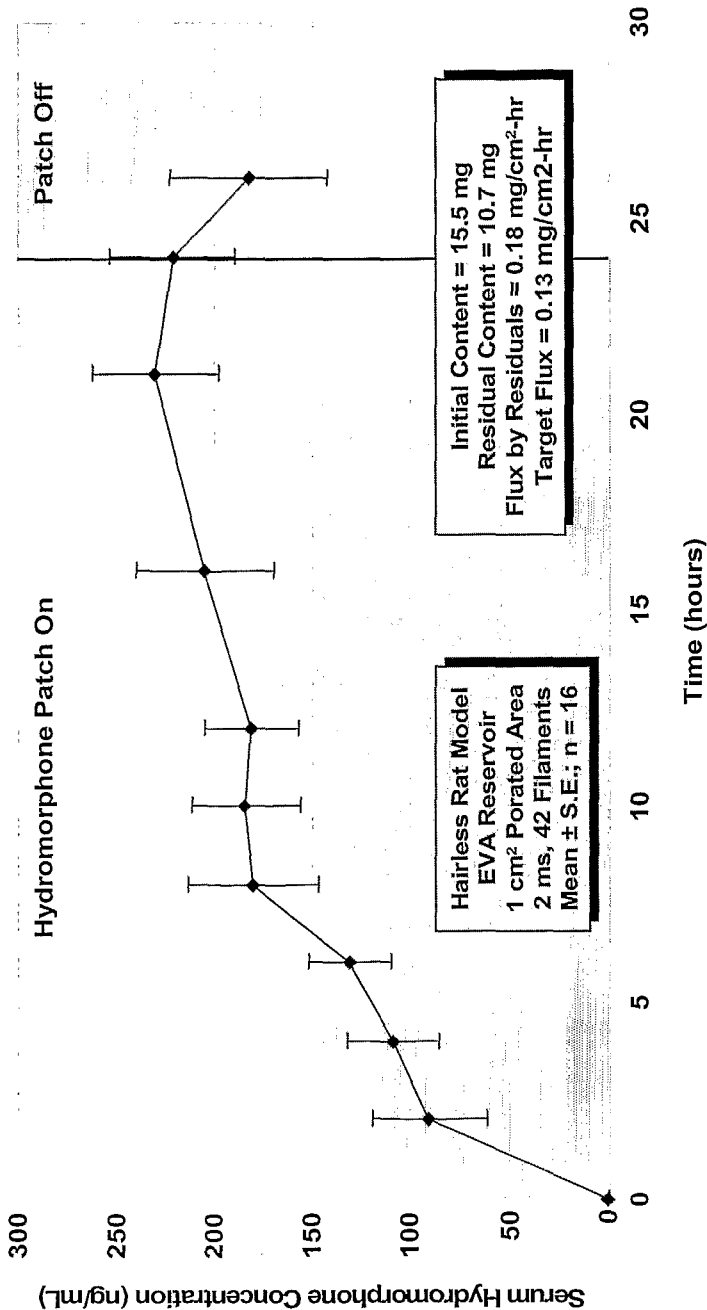


FIG. 12

Drug Utilization Optimization

Based on Hairless Rat Model

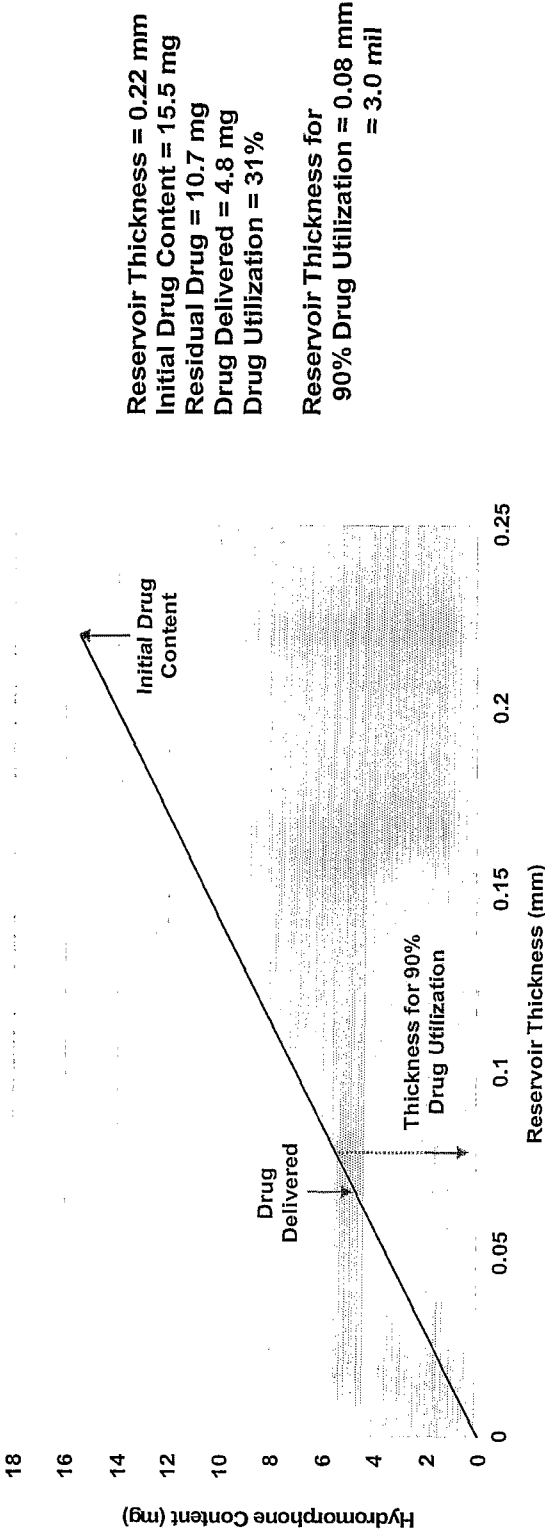


FIG. 13

Effect of Pore Density EVA Formulation / 2 ms Poration Pulse

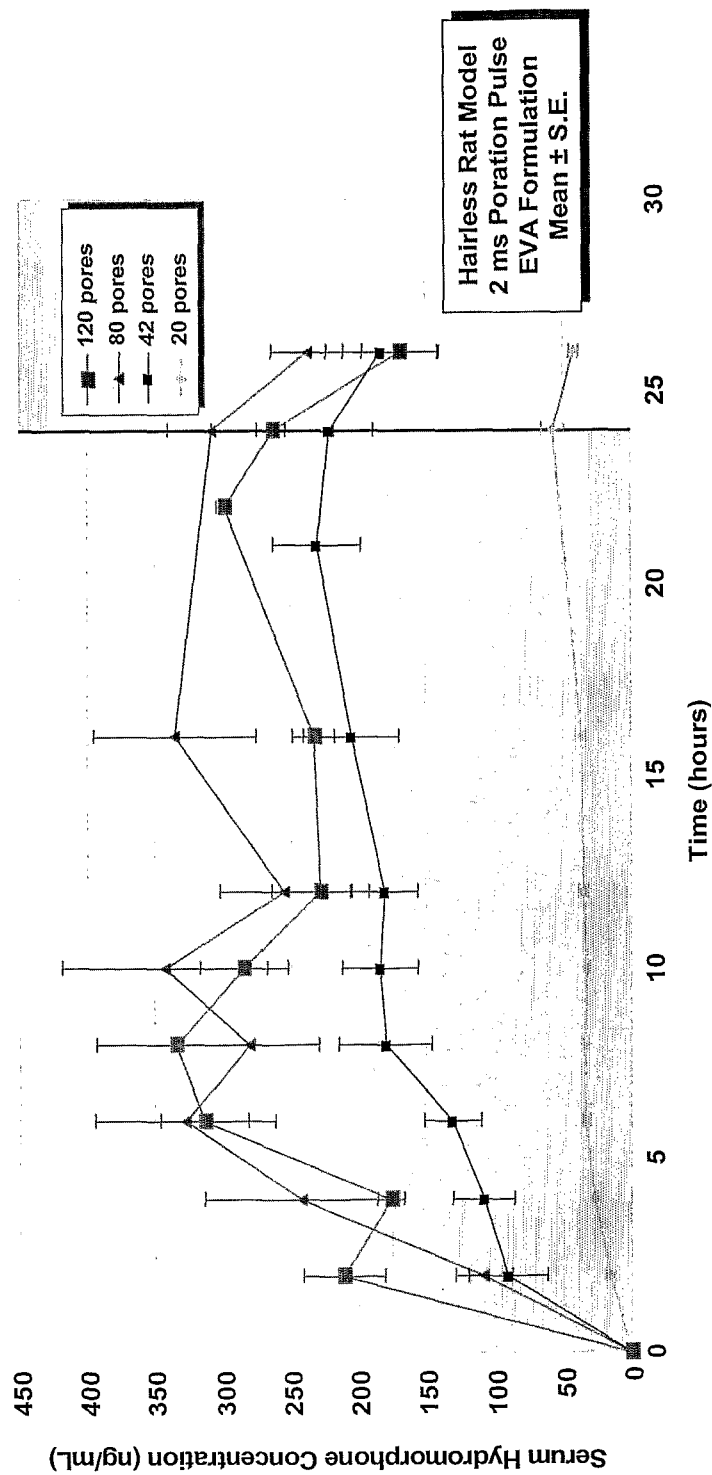
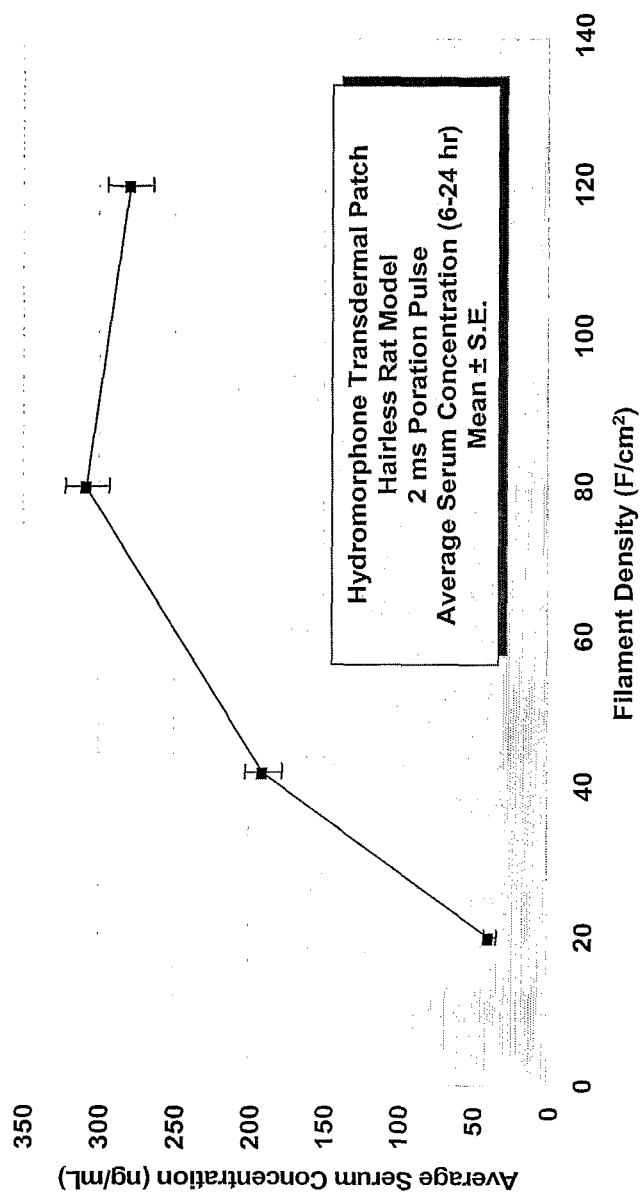


FIG. 14

Effect of Pore Density

EVA Formulation / 2 ms Poration Pulse

**FIG. 15**

Hydromorphone Transdermal Patch

Phase 1 Study: Polymer Formulation

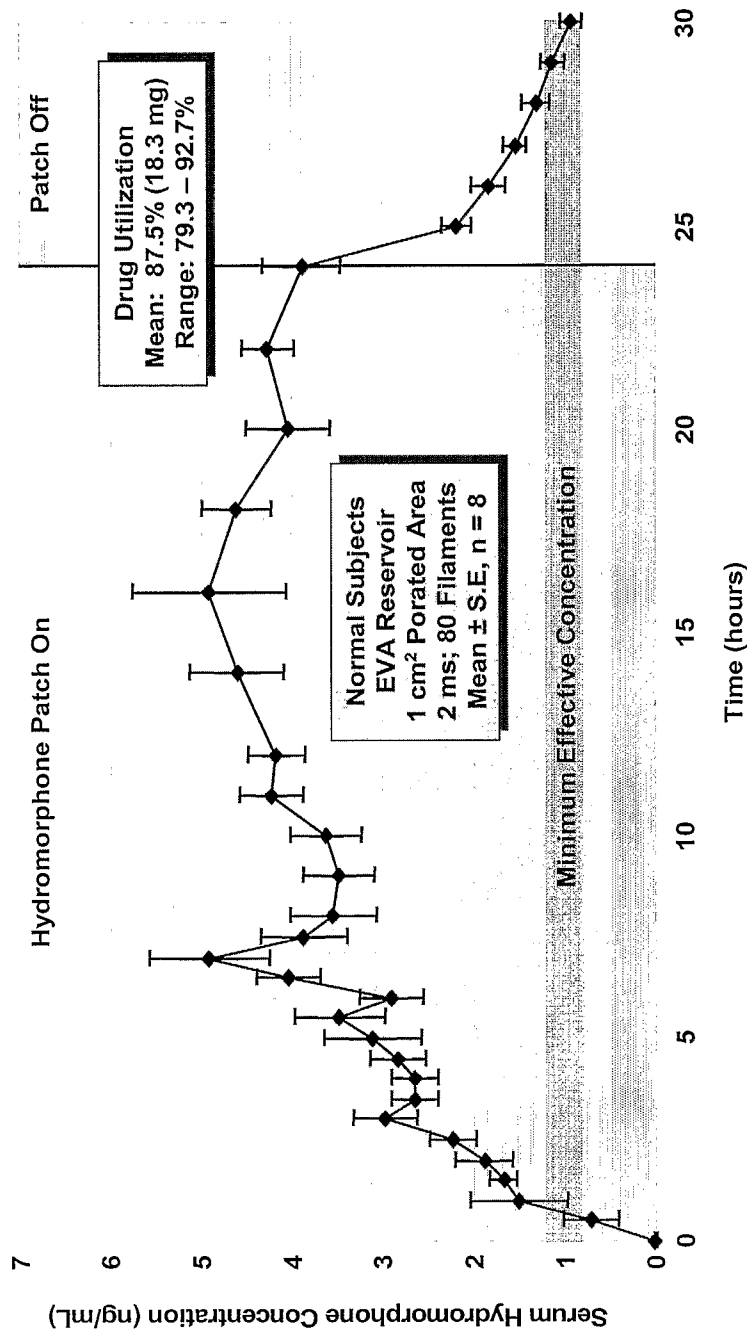


FIG. 16

Hydromorphone Transdermal Patch

Comparison of EVA and Aqueous Gel Reservoirs

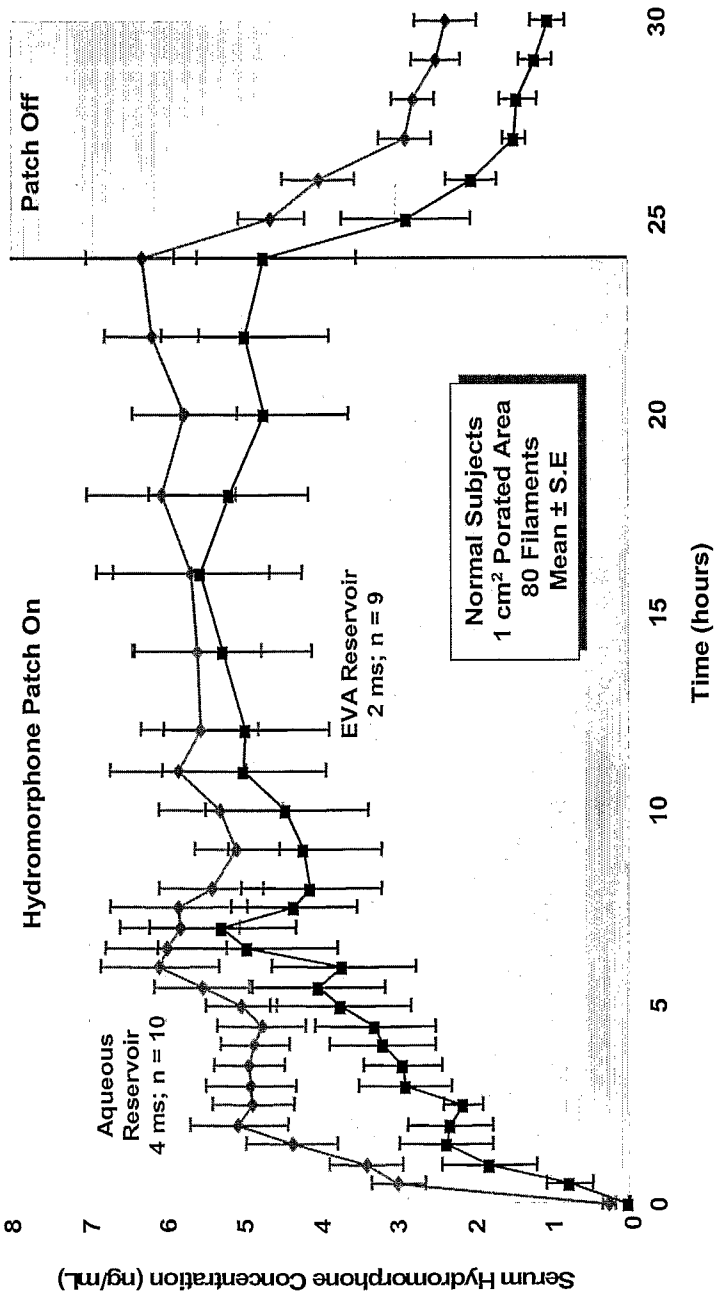


FIG. 17

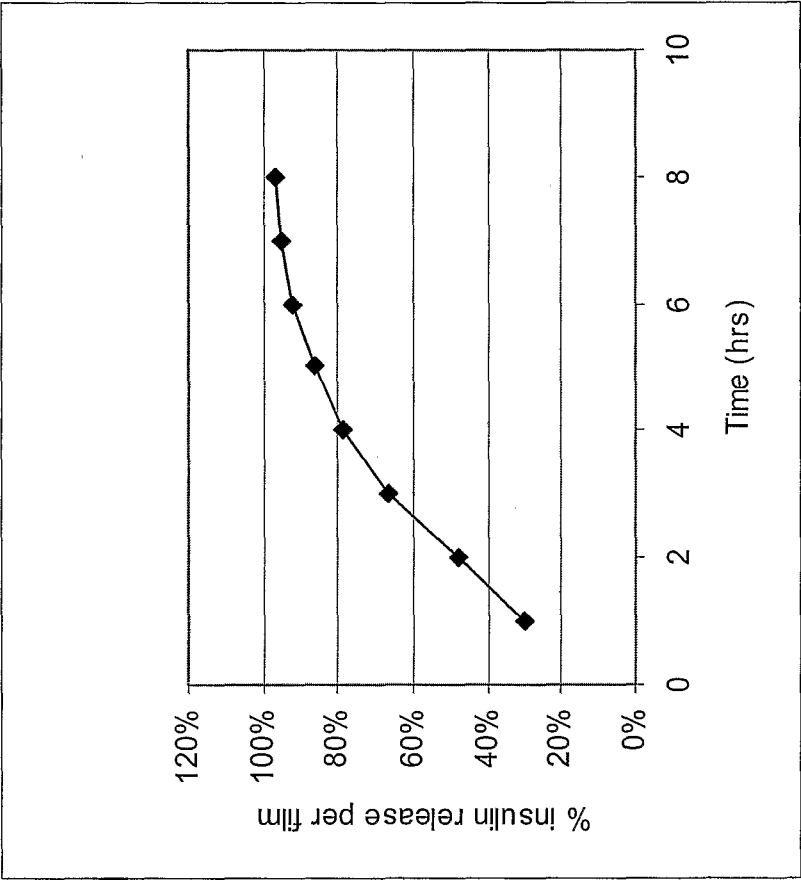


FIG. 18

EVA-based Insulin Reservoir

PK in the Hairless Rat

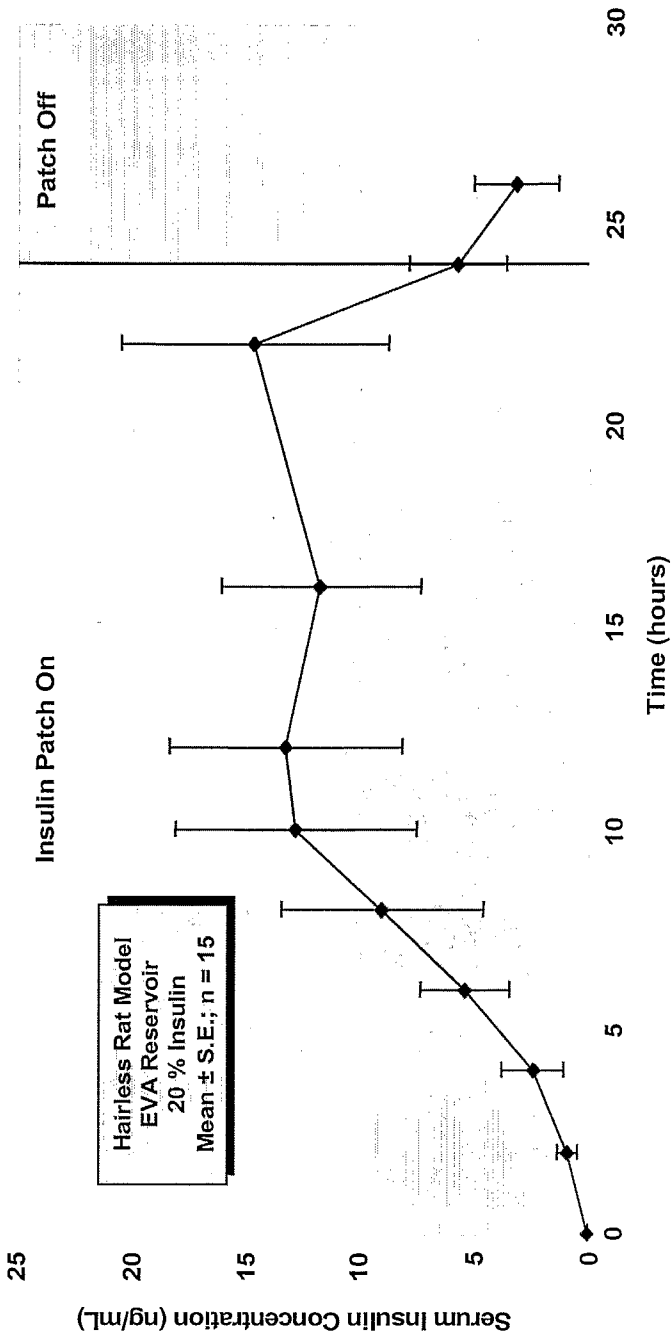


FIG. 19

EVA-based Insulin Reservoir

Glucose Response in the Hairless Rat

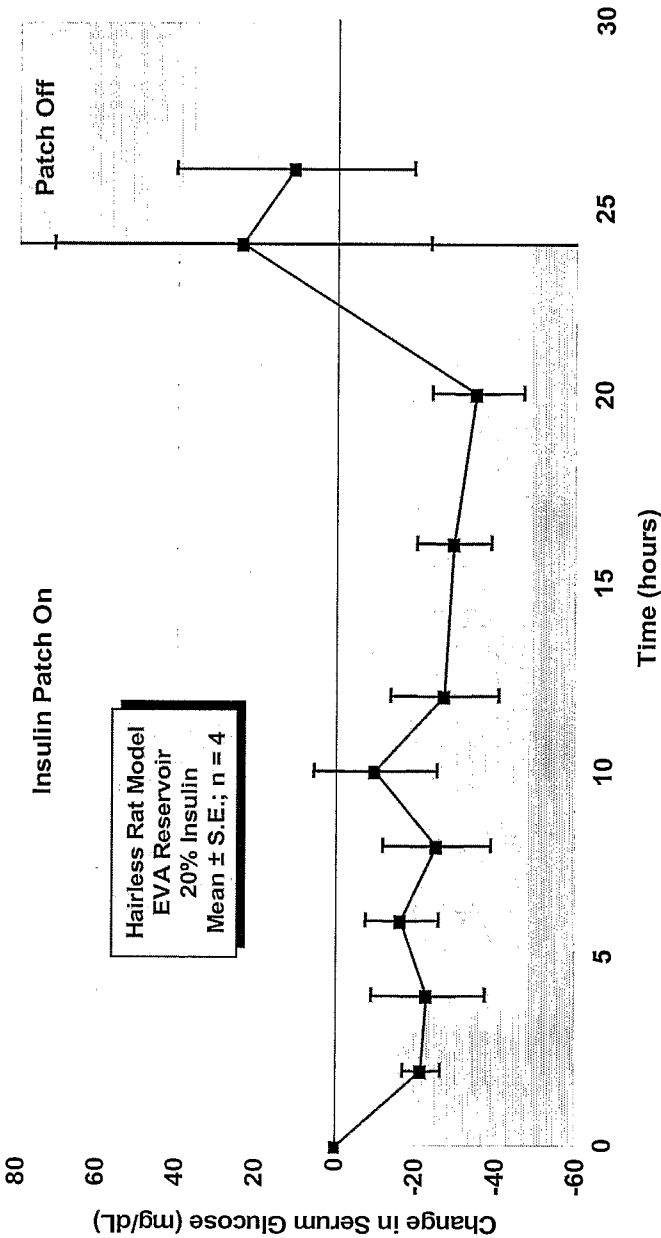


FIG. 20

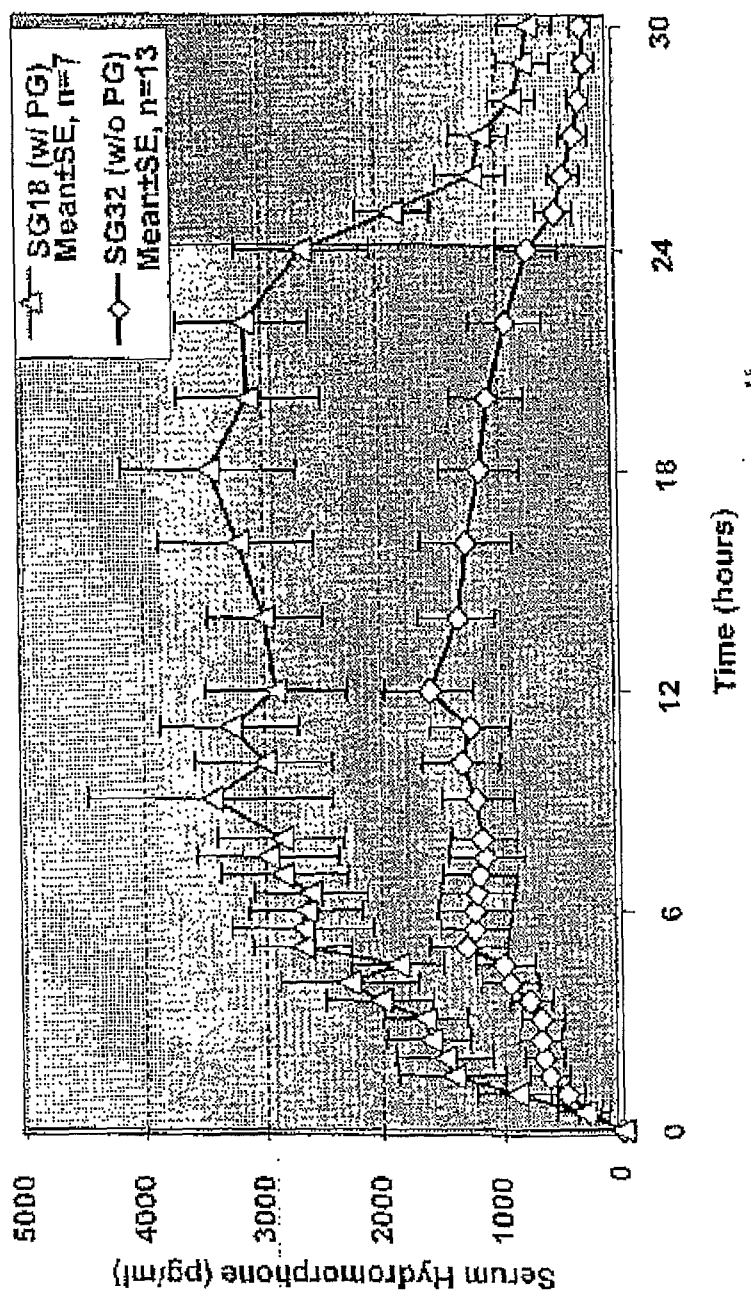


FIG. 21

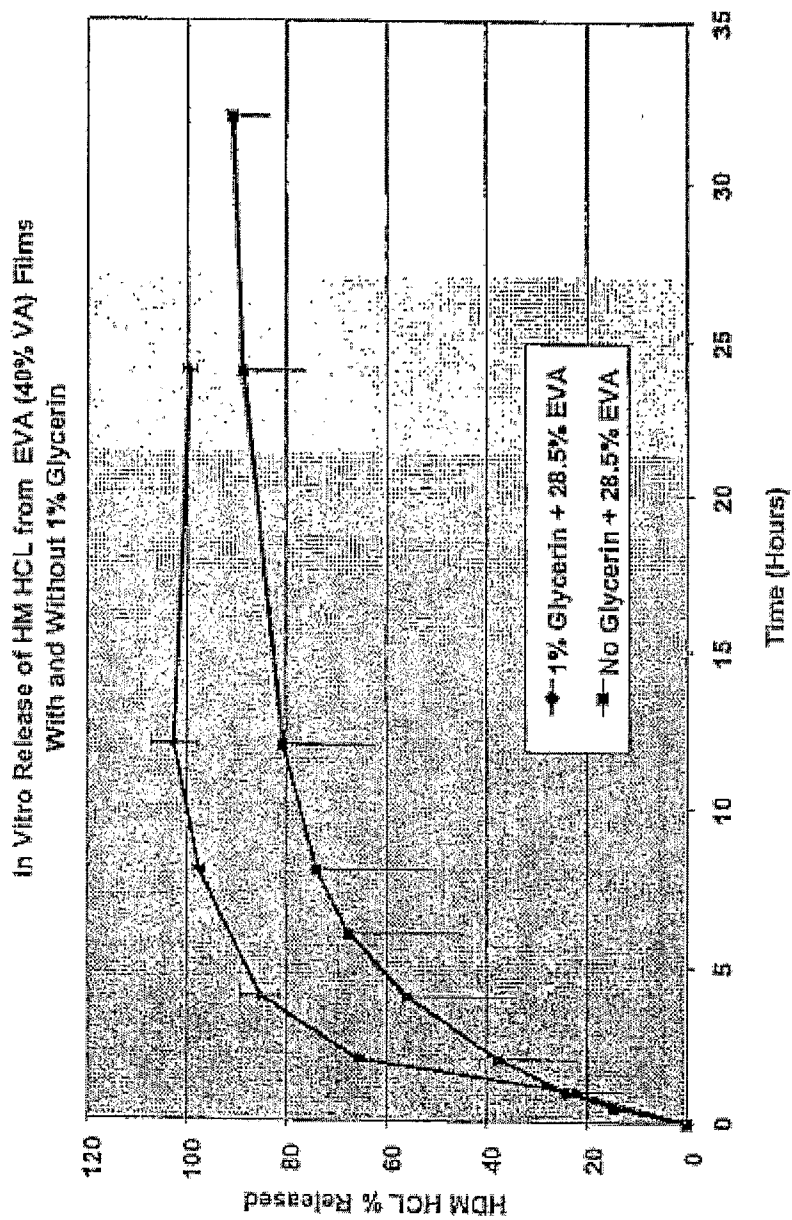


FIG. 22

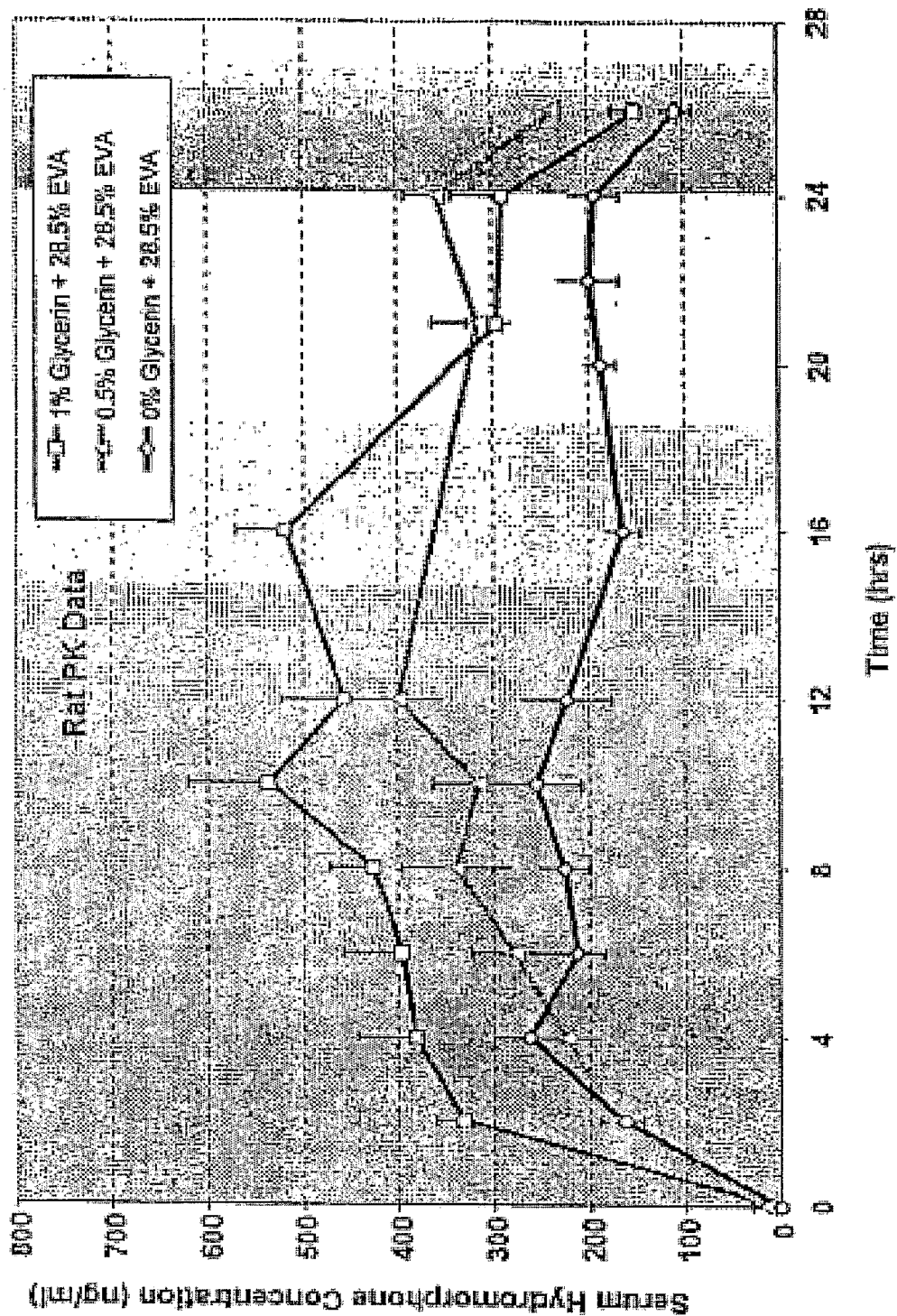


FIG. 23

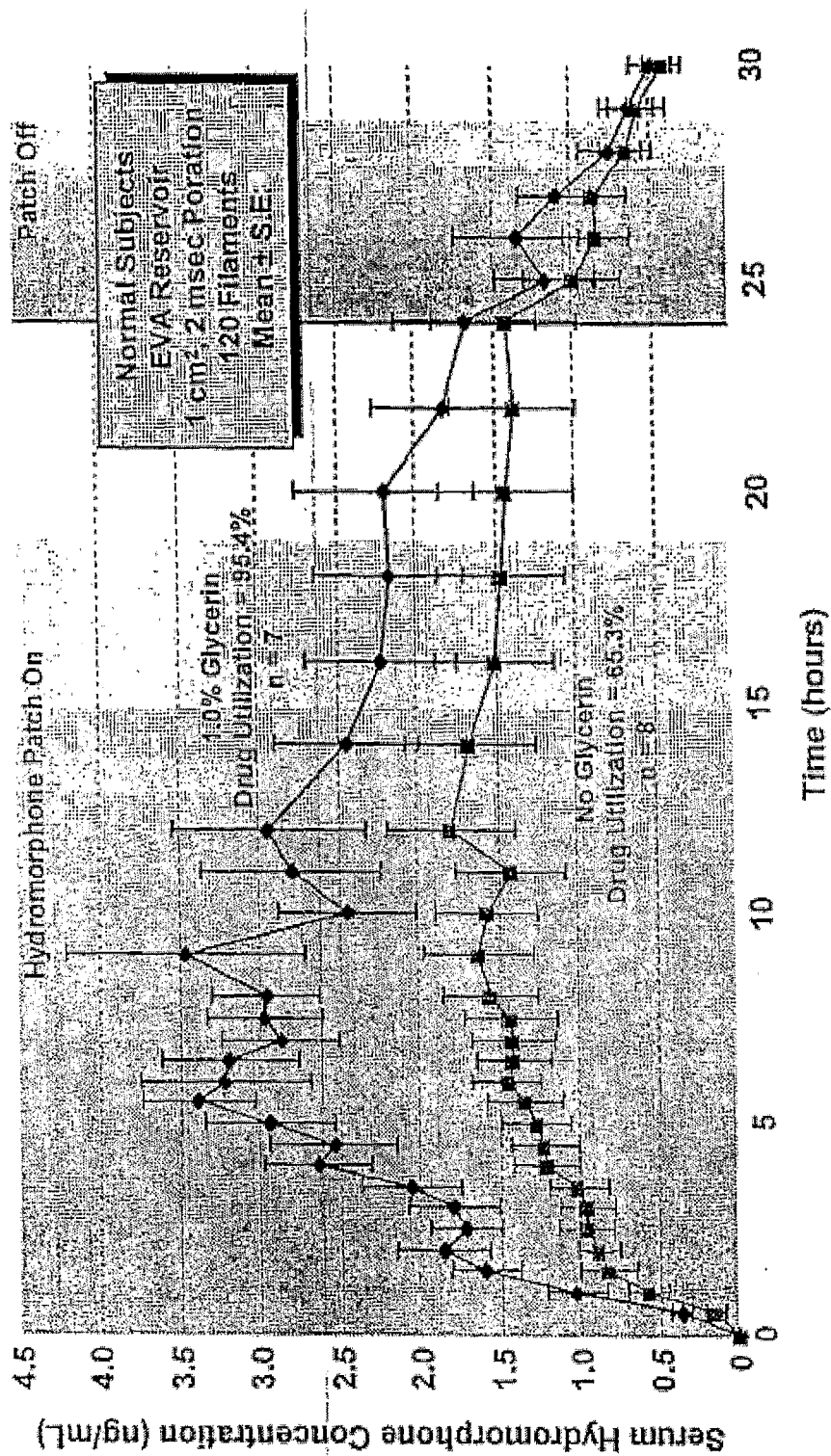


FIG. 24

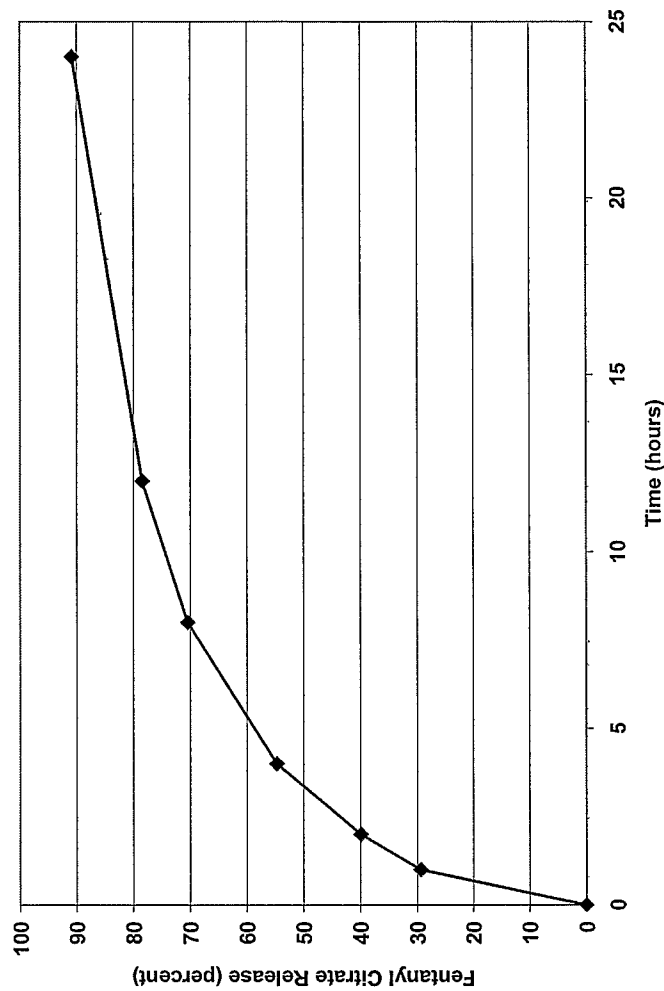


FIG. 25

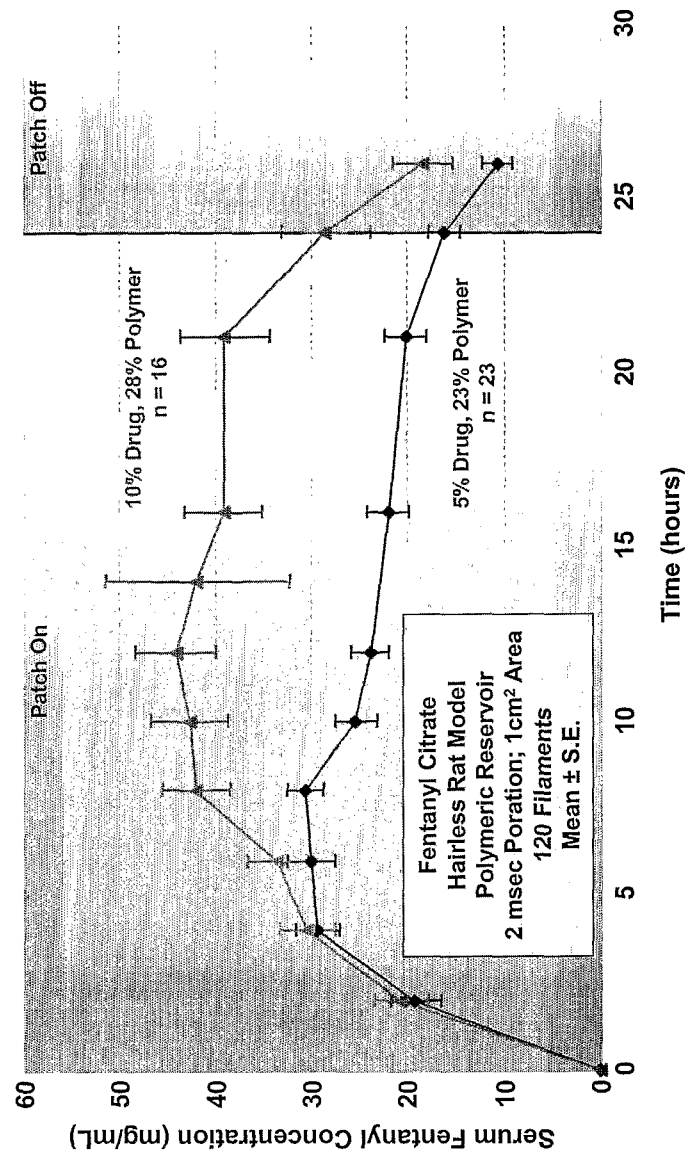


FIG. 26

Reproducible Insulin Film Delivery In Hairless Rats
High Levels, High Utilization, Multiple Batches

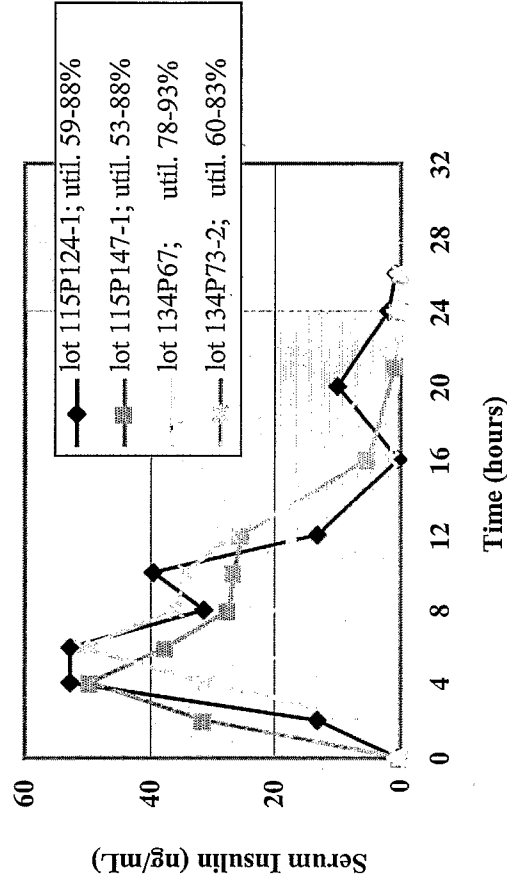


FIG. 27

Insulin PK – Rat Model
Effect of Glycerin Addition

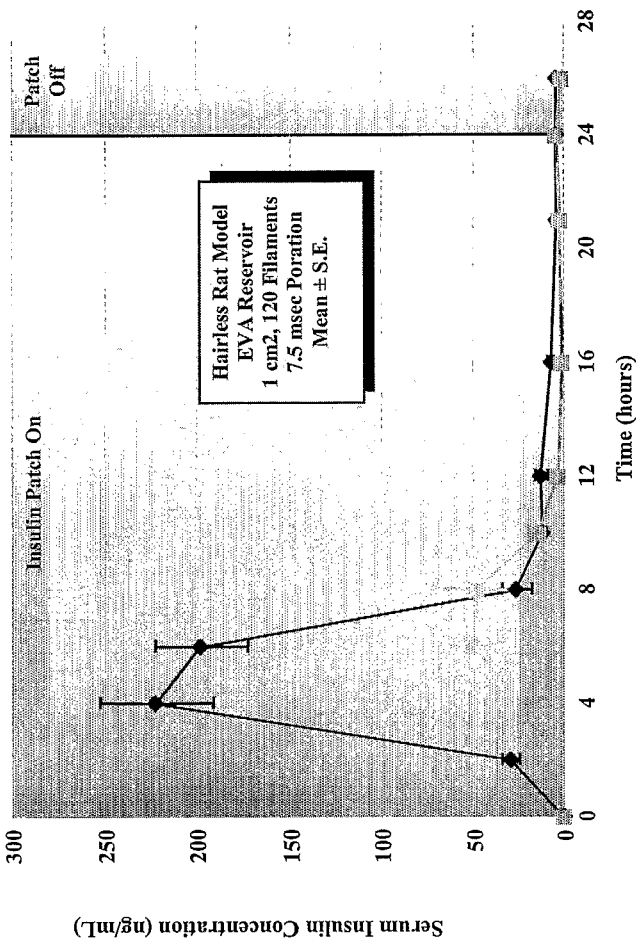


FIG. 28