

Supplementary Materials: Improved Bioavailability of Montelukast through a Novel Oral Mucoadhesive Film in Humans and Mice

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Table S1. Detailed clinical laboratory assessment of Phase 1 study subjects.

Test	Components	
Hematology	<ul style="list-style-type: none"> • Hemoglobin • Platelet count • WBC and differential 	<ul style="list-style-type: none"> • Peripheral blood smear • Hematocrit • RBC
Serum Chemistry	<ul style="list-style-type: none"> • Glucose • Calcium • Sodium • Chloride • Albumin • Protein • Bilirubin • Lactate Dehydrogenase 	<ul style="list-style-type: none"> • AST • ALT • Potassium • Alkaline Phosphatase • Urea • Uric Acid • Creatinine • Creatine Kinase
Urinalysis	<ul style="list-style-type: none"> • Bilirubin • Blood • Glucose • pH • Ketones 	<ul style="list-style-type: none"> • Leukocytes • Nitrites • Protein • Specific Gravity • UBG
Additional Tests	Serology (HIV, Hepatitis B surface antigen, Hepatitis C antibody)	Alcohol test Urine Cotinine Serum hCG (females only at screening) Urine hCG (females only at each period check-in)
Urine Tests for Drugs of Abuse	Marijuana, Amphetamines, Phencyclidine, Barbiturates, Cocaine, Opiates, Benzodiazepines	

Table S2. Detailed study demographics of Phase 1 study subjects.

Subject No.	Age (years)	Height		Weight		BMI	Gender	Race/Ethnicity
		(cm)	(in)	(kg)	(lb)			
1	41	172.3	67.8	84.6	186.5	28.5	Male	Black
2	45	154.8	60.9	55	121.3	23	Female	Hispanic/Latino
3	48	186.8	73.5	98.7	217.6	28.3	Male	White
4	47	173.5	68.3	74.1	163.4	24.6	Female	Black
5	46	161.5	63.6	76.8	169.3	29.4	Male	Hispanic/Latino
6	31	179.5	70.7	72.1	159	22.4	Male	Black
7	50	180.7	71.1	75.5	166.4	23.1	Male	White
8	46	182.5	71.9	96.5	212.7	29	Male	White