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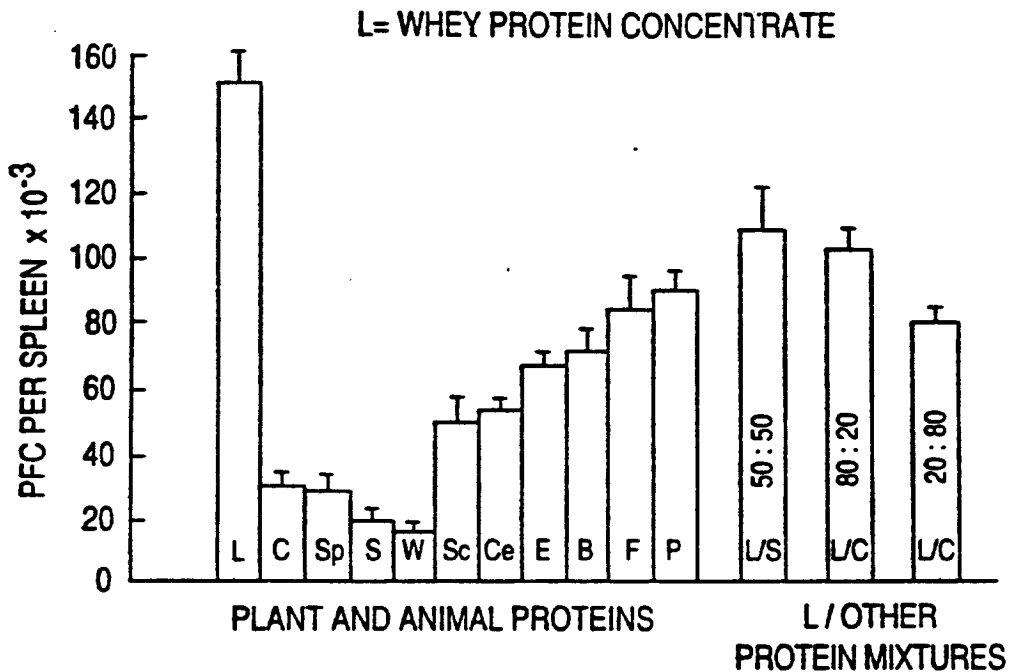


FIG. 1

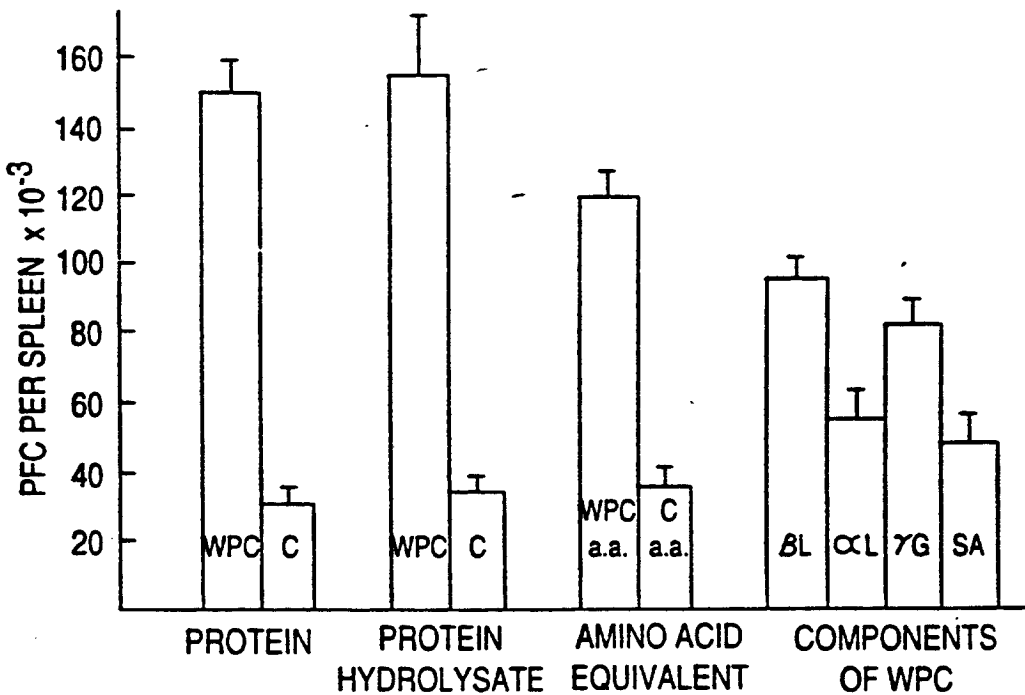
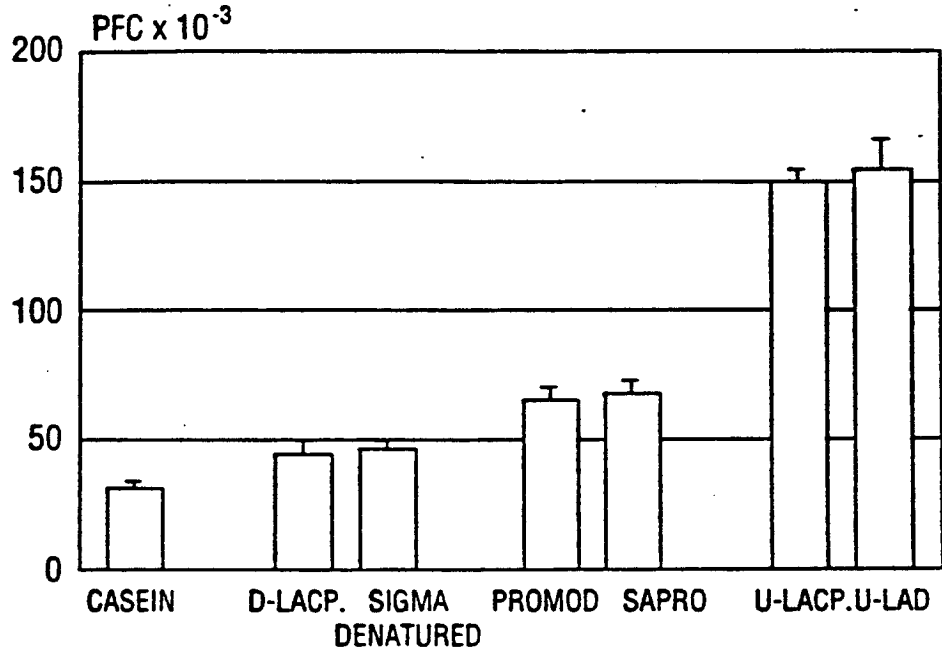


FIG. 2

EFFECT OF VARIOUS SOURCES OF WHEY PROTEIN CONCENTRATE AND CASEIN  
(20g / 100g DIET) ON SPLEEN PFC RESPONSE TO  $5 \times 10^6$  SRBC



MEAN +S.E.M. N  $\geq$  10

FIG. 3

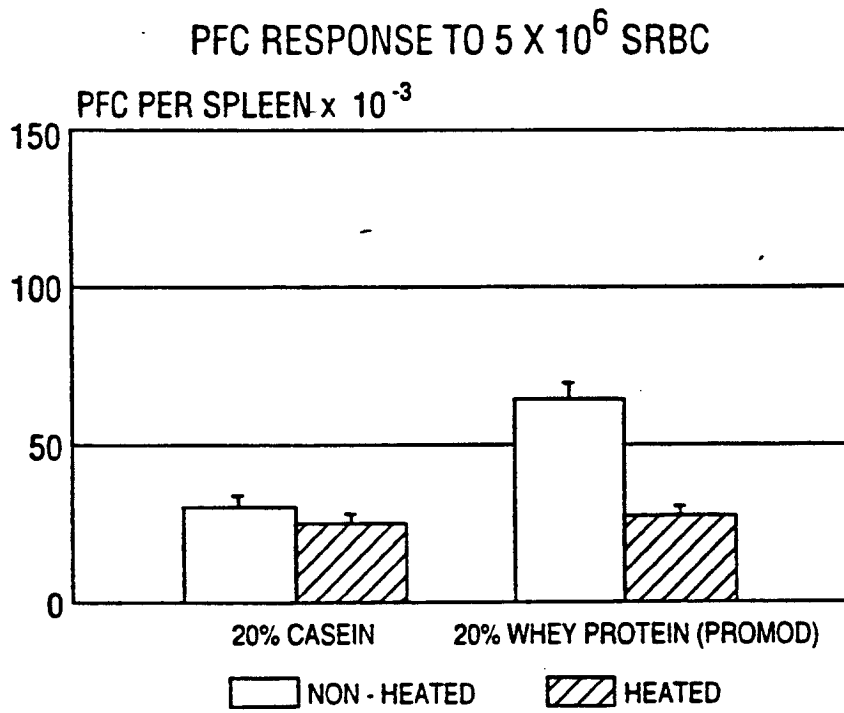


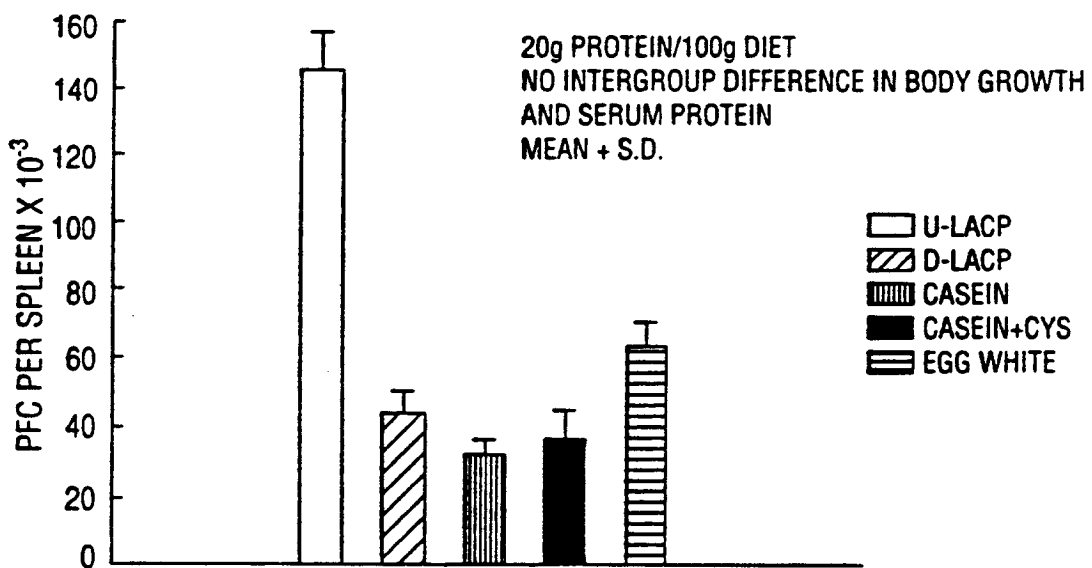
FIG. 4

D

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PLAQUE FORMING CELLS/SPLREEN (PFC) ON THE DAY (DAY 5)  
SHOWING PEAK PRODUCTION OF PFC FOLLOWING IMMUNIZATION  
OF C3H/HeN MICE WITH  $5 \times 10^6$  SRBC



EFFECT OF 3 WEEKS OF DIETARY TREATMENT

U-LACP: UNDENATURED WHEY PROTEIN CONCENTRATE

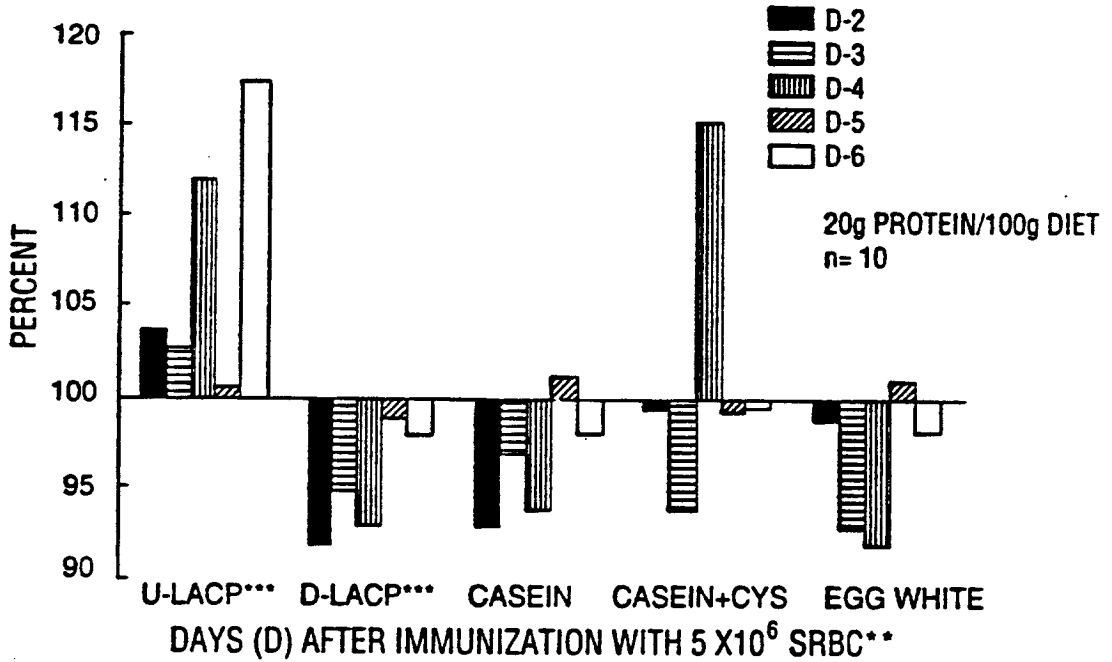
D-LACP: DENATURED WHEY PROTEIN CONCENTRATE  
LACPPRODAN-80 BY 'DANMARK PROTEIN'

U-LACP > D-ACP, CASEIN, CASEIN+CYS, EGG WHITE PROTEIN: P=0.0004

FIG. 5

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**SPLEEN GLUTATHIONE AS % OF VALUES IN UNIMMUNIZED C3H/HeN\*  
MICE FED THE CORRESPONDING DIET FOR 3 WEEKS**



\*NO INTERGROUP DIFFERENCE IN SPLEEN GLUTATHIONE OR BODY GROWTH OF UNIMMUNIZED MICE FED FOR 3 WEEKS EITHER OF THE 4 DIETS

\*\* IMMUNIZATION AFTER 3 WEEKS OF DIETARY TREATMENT: NO INTERGROUP DIFFERENCE IN BODY GROWTH AND SERUM PROTEIN

\*\*\*U-LACP: UNDENATURED WHEY PROTEIN CONCENTRATE  
D-LACP: DENATURED WHEY PROTEIN CONCENTRATE  
LACPRODAN-80 BY 'DANMARK PROTEIN'

**FIG. 6**

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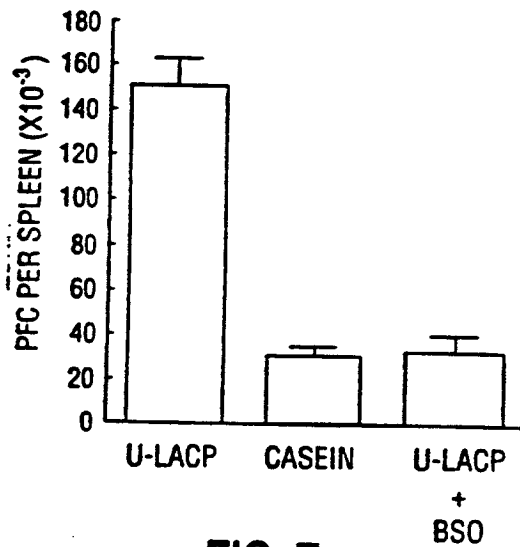


FIG. 7a

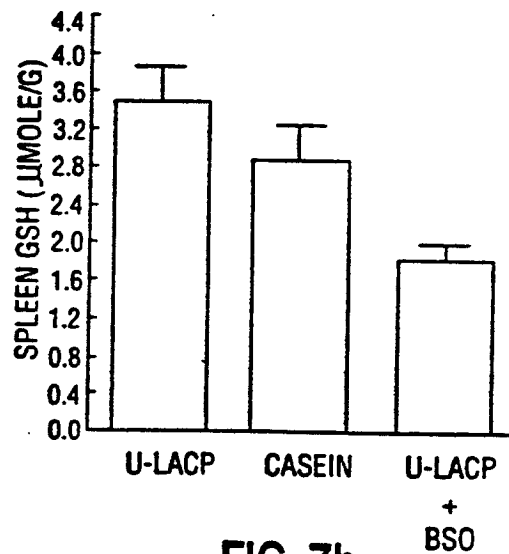


FIG. 7b

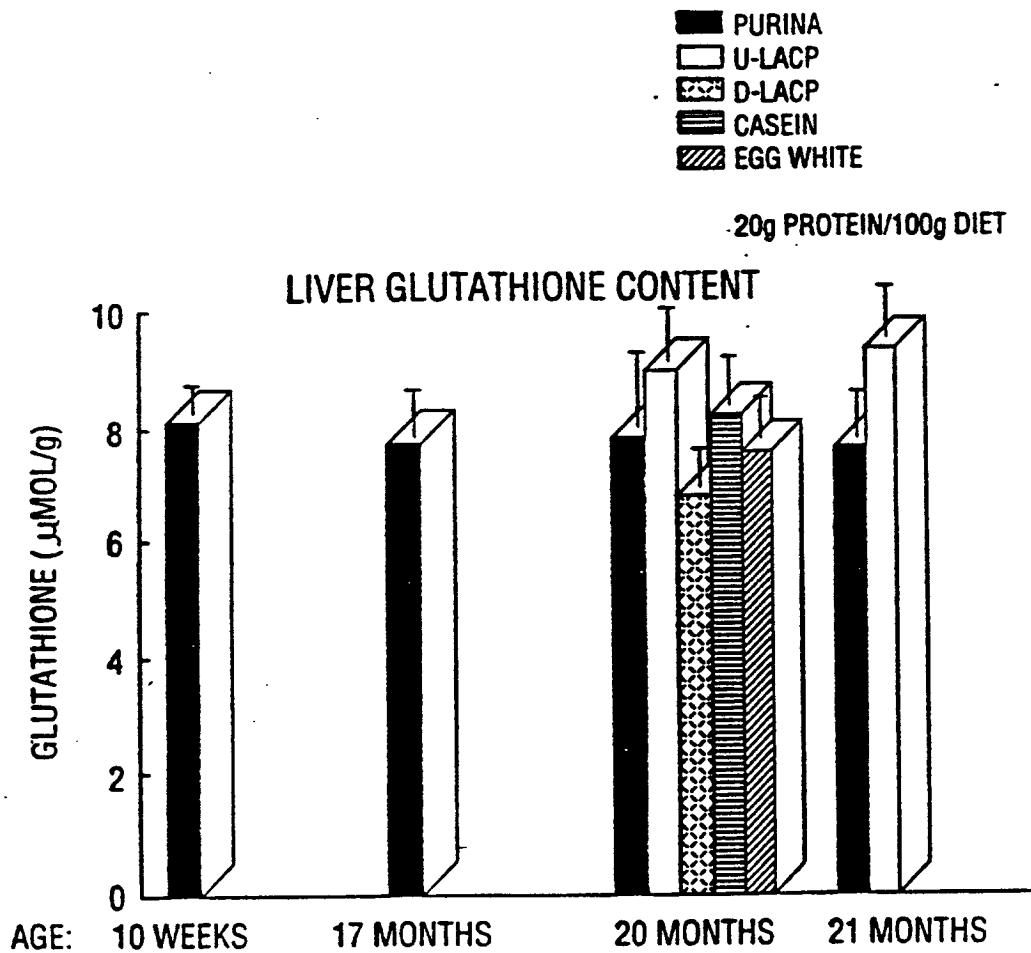
PLAQUE FORMING CELLS ON DAY 5  
SHOWING PEAK PRODUCTION OF  
PLAQUE FORMING CELLS FOLLOWING  
IMMUNIZATION WITH 10<sup>6</sup> SRBC.  
3 WEEKS DIETARY  
TREATMENT WITH 20g/100g OF EITHER  
U-LACP, CASEIN OR U-LACP + BSO

SPLEEN GLUTATHIONE ON DAY 4  
SHOWING PEAK LEVELS OF GLUTATHIONE  
FOLLOWING IMMUNIZATION WITH 5X10<sup>6</sup>  
SRBC.  
3 WEEKS DIETARY TREATMENT WITH  
20g/100g OF EITHER U-LACP, CASEIN OR  
U-LACP + BSO

BSO = BUTHIONINE  
SULFOXIMINE

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**FIG. 8**

**EFFECT OF DIETARY TREATMENT FROM AGE 17 MONTHS**

MALE MICE C57BL/6NIA  
MEAN ± STANDARD DEVIATION (n=10)

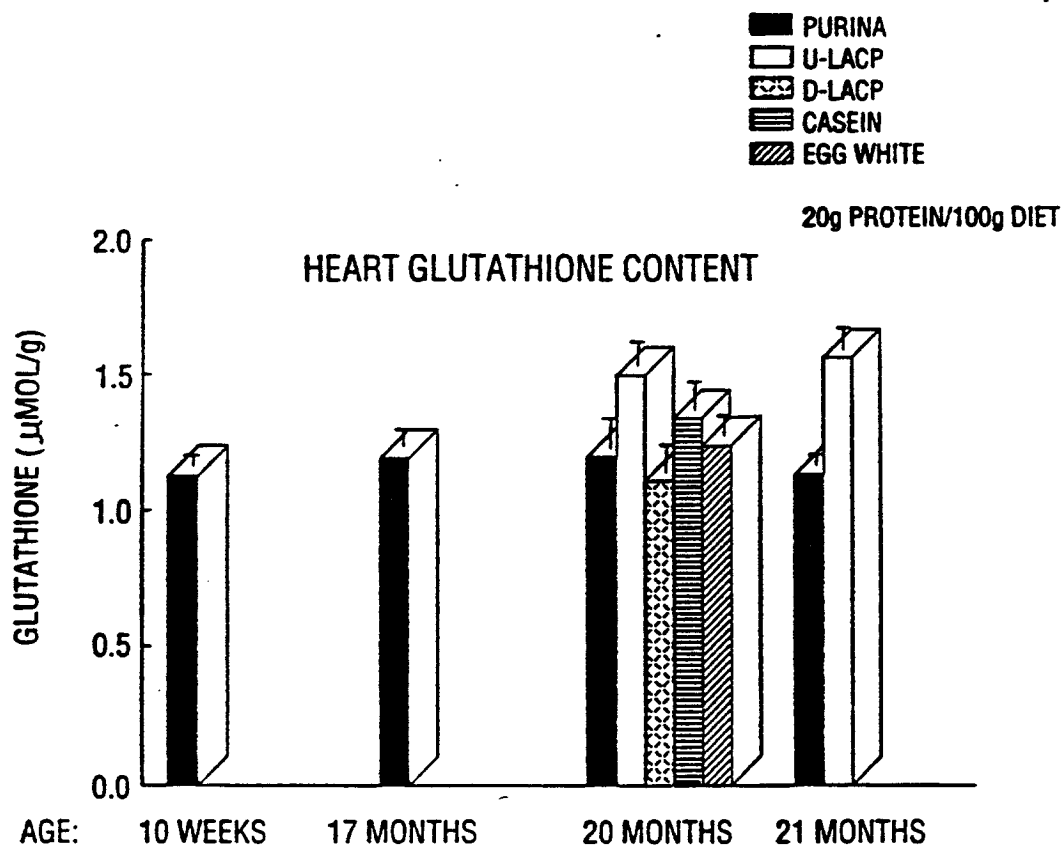
U-LACP: UNDENATURED WHEY PROTEIN CONCENTRATE  
D-LACP: DENATURED WHEY PROTEIN CONCENTRATE

NO INTERGROUP DIFFERENCE IN FOOD CONSUMPTION, BODY WEIGHT AND SERUM PROTEIN.

U-LACP > PURINA, CASEIN, EGG WHITE: P < 0.05 BY ANOVA (SCHEFFE TEST).  
U-LACP > D-LACP: P < 0.01 BY ANOVA (SCHEFFE TEST).

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**FIG. 9**

EFFECT OF DIETARY TREATMENT  
FROM AGE 17 MONTHS

MALE MICE C57BL/6NIA  
MEAN  $\pm$  STANDARD DEVIATION (n=10)

U-LACP: UNDENATURED WHEY PROTEIN CONCENTRATE  
D-LACP: DENATURED WHEY PROTEIN CONCENTRATE

NO INTERGROUP DIFFERENCE IN FOOD CONSUMPTION, BODY WEIGHT AND SERUM PROTEIN.

U-LACP > CASEIN, EGG WHITE:  $P < 0.05$  BY ANOVA (SCHEFFE TEST).  
U-LACP > D-LACP, PURINA:  $P < 0.01$  BY ANOVA (SCHEFFE TEST).

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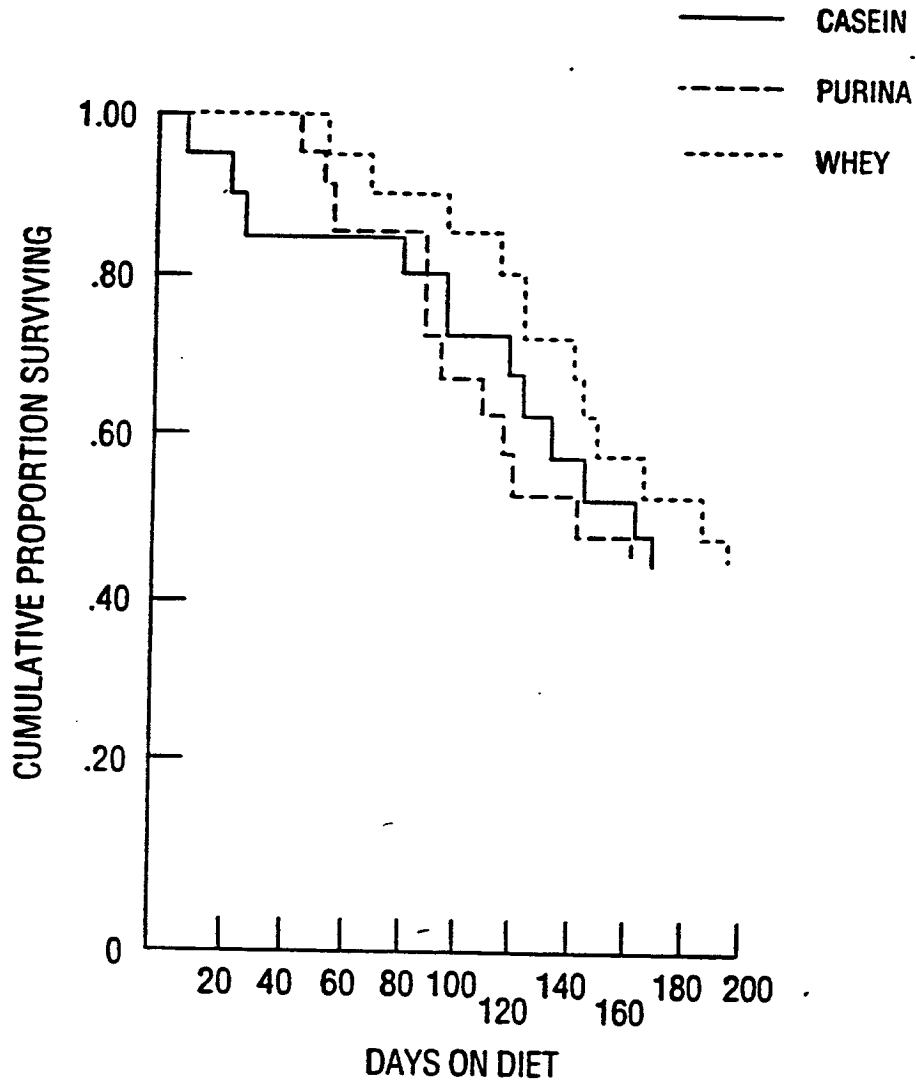


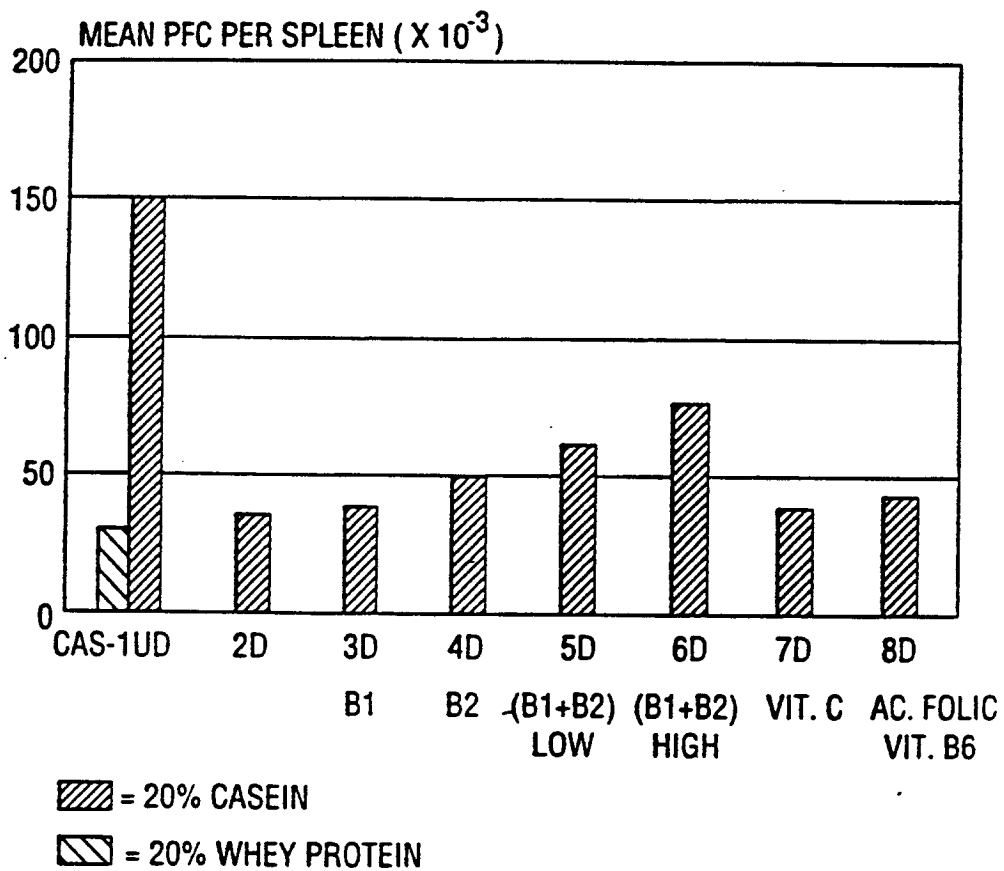
FIG. 10

21 MONTH OLD MALE C57/BL/6NIA MICE

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EFFECT OF 26 DAYS DIETARY TREATMENT ON PFC RESPONSE TO SRBC



UD=UNDENATURED

D=DENATURED

DIET 5 AND DIET 6 VS DIET 1: P<0.025

FIG. 11