Animal Tests: Effects of APS 45-10 Colostrum on Influenza (H1N1)

Test animal
BALB/c ♀ 12-week-old mouse
  1. Colostrum group N=28
  2. Control group N=30

Influenza
Influenza A/PR/8/34 (H1N1) (PR8) virus

Administration
Three weeks before infection, 6 times/week, oral administration. Administration halted on influenza infection.

  1. Colostrum group; Colostrum (APS45-10) 2000 mg/kg/day
  2. Control group; 0 mg/kg/day

Animal Tests: Effects on Influenza (H1N1)

Incidence / Mortality rates

Incidence rate

Mortality rate

Results

Taking APS45-10 colostrum 2000 mg/kg/day, reduced the incidence rate of H1N1 influenza by 19%* compared to control placebo group in 12-week old mice (N=58, P=0.044).

*(((96.7-78.6)/78.6) x100=19%)

Taking APS45-10 colostrum 2000 mg/kg/day, reduced the mortality rate due to H1N1 influenza by 132.9%* compared to control placebo group in 12-week old mice (N=58, P=0.035).

*(((33.3-14.3)/14.3 x100=132.9%)

Conclusions

APS45-10 colostrum administration reduced the H1N1 incidence or infection rate by 19%, but reduced the mortality by a much more significant effect of 132.9%.

This is a prevention study of H1N1 in animals. However, the “cytokine storm” is produced after infection, so better treatment data would be useful if the animals continued with the daily administration.
