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Can nonalcoholic beer, silicon and hops reduce the brain damage and behavioral changes induced by aluminum nitrate in young male Wistar rats?

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**REACTION TIME** 

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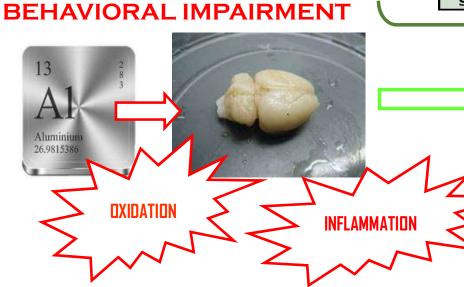
**IMMOBILITY TIME** 

**DEFECATION INDEX** 









Attenuation of aluminum-induced changes. Brain protection

 $\uparrow$ CAT, Mn-SOD, Cu/Zn-SOD and GR expression,  $\uparrow$ GSSG and GSH,  $\downarrow$ TBARS,  $\downarrow$ TNF $\alpha$ 

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