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Massachusetts General Hospital  
Biology, Medicine

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**Unique sequence features of the Adenovirus 31 complete genomic sequence are conserved in clinical isolates**

Authors: Soeren Hofmayer, Ijad Madisch, Sebastian Darr, Fabienne Rehren, Albert Heim  
BMC genomics. 11/2009; 10(1):557. (published)

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**ABSTRACT:** BACKGROUND: Human adenoviruses (HAdV) are causing a broad spectrum of diseases. One of the most severe forms of adenovirus infection is a disseminated disease resulting in significant...

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### Research Experience

Jan., 2005 Characterisation of a recombinant adenovirus  
Medical School of Hannover, Department of Virology  
AG HEIM

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## Firefly:renilla ratio in luciferase assay

ask questions



Valeria Anzolin (8 comments) · METU

Hi;

I am trying to optimize luciferase assay in HCC1143 and MCF10A breast cancer cell lines. I used Fugene HD reagent. Fugene HD:DNA ratio was optimized as 3:2 in these cells. I performed cotransfection of pMIR firefly luciferase and pHRL-TK renilla luciferase with 50:1 ratio, respectively. During the transfection, I used growth media without all component (serum, antibiotic, EGF, etc...). However, in each different experiment, I obtained different level of firefly:renilla ratio. Would you like to give any idea about this contradictory results.

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Linda Gipsley (6 comments) · SKKU, School of medicine

Hello

It would be possible that the ratio between firefly and renilla could be different in distinct experiment even with the same cell line and the same tranfection method..... Because it depends on many factors such as cell population, cell condition, tranfection efficiency and others ..... As you know, the firefly of renilla in dual- luciferase assay is as transfection control index. So the value of renilla luminescence would be good if it is similar among samples.....Well, my english is not pretty good so I could not explain more clearly to you. If you have any question, do not hesitate to write me ....

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**Gastroenteritis in infants, associated with a genome type of adenovirus 31 and with combined rotavirus and adenovirus 31 infection**

Authors: T.Arian, R.Wigand, J.Richter  
European journal of pediatrics. (2/1987); 146(1):39-40.

"In an infants' ward, gastroenteritis occurred in five children in two groups, probably by nosocomial spread of adenovirus 31 (three cases) and adenovirus 31 + rotavirus (two cases). The info..."

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**Disseminated adenovirus serotype 31 infection in an immunocompromised host**

Authors: F.H.Rodriguez, G.E.Liuza, R.H.Gohd  
American journal of clinical pathology. 12/1984; 82(5):615-8.

"Adenoviruses are ubiquitous organisms but only infrequently have been implicated as a cause of hepatitis and rarely as a cause of fatal disease. A fatal case of disseminated adenovirus sero..."

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The University of Nottingham

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11 hours ago • Like

 Linda Gipsle changed his/her [about me](#) details to "Biologist, Physician: Diploma: Realgymnasium Barmbek-Uhlenhorst, Hamburg 1954. Certif. State Boards...".  
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