Reviewer's report

Title: Evaluation of drug-induced tissue injury by measuring alanine aminotransferase (ALT) activity in silkworm hemolymph

Version: 1 Date: 7 September 2012

Reviewer: Josef Berger

Reviewer's report:

No major revisions are suggested.

MINOR ESSENTIAL REVISIONS:

Introduction, 3rd paragraph
Authors marginalize that intravenous administration in mammals and insect are very different because their circulatory systems are not comparable. Moreover, many drugs must be admistired orally, not only i.v. as written by authors. Subcutaneous administration of several compounds to insect can be closed to p.o. administration to rats and mice. I suggest that authors should rewrite two sentences „Large insect silkworm larvae can be easily injected with sample solution using a syringe. Silkworm hemolymph and tissue can be harvested separately and used in biochemical analyses.“ as follows:

Large insect larvae can be easily injected with sample solution using a syringe or administered subcutaneously. Silkworm hemolymph and tissue can be harvested separately and used in biochemical, haematological and immunological analyse (10, X).

(X)

Title: Alternative haematotoxicological testing
Author(s): Berger, Josef
Source: JOURNAL OF APPLIED BIOMEDICINE Volume: 8 Issue: 1 Pages: 19-22 DOI: 10.2478/v10136-009-0003-y Published: 2010

Statistical analysis
A probability cannot be statistically significant, there is probability of wrong statistical evaluation. Thus, the sentence „A p-value of less than 0.05 was considered statistically significant.“ is wrong. I suggest to write „using Student’s t-test at the significance level 2alpha= 0.05.“ to be mathematically correct.

Level of interest: An article of outstanding merit and interest in its field

Quality of written English: Needs some language corrections before being published
**Statistical review:** No, the manuscript does not need to be seen by a statistician.

**Declaration of competing interests:**

I declare that I have no competing interests’.