

CORRIGENDA

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Correction to the following dissertation:

(Korrektur zu folgender Dissertation:)

ZINC OXIDE IN FORMULATION FOR RESPIRATORY VACCINATION

Dissertation

zur Erlangung des Doktorgrades
der Mathematisch-Naturwissenschaftlichen Fakultät
der Christian-Albrechts-Universität zu Kiel

vorgelegt von

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Corrigenda - English

Chapter 6.1.2 of the dissertation, "Adsorption", contains the following mistake: In this chapter the results of the adsorption studies of proteins with different molecular weights and different isoelectric points and zinc oxide (ZnO), zinc oxide tetrapods (ZnOT), short milled (ZnOT 5 min) and long milled (ZnOT 60 min) zinc oxide tetrapods, aluminium hydroxide and aluminium phosphate are shown. For a better comparability of the data, the amount of adsorbed protein in mmol/m² was calculated. An error has happened during the calculation. To obtain a corrected version, all units in the following tables, graphs and the corresponding text sections have to be corrected from mmol/m² to $\mu\text{mol/m}^2$:

- Figure 6.11. Adsorption studies of proteins with a molecular weight of 66 kDa and different isoelectric points (IEP BSA = pH 4.9, IEP avidin = pH 10.5) and zinc oxide (ZnO) and zinc oxide tetrapods (ZnOT).
- Table 6.2. Adsorption studies of proteins with a molecular weight of 66 kDa and different isoelectric points (IEP BSA = pH 4.9, IEP avidin = pH 10.5) and zinc oxide (ZnO) and zinc oxide tetrapods (ZnOT).
- Figure 6.12. Adsorption studies of proteins with an isoelectric point in the basic pH range and different molecular weight (avidin: IEP = pH 10.5, 66 kDa; lysozyme: IEP = pH 11, 14 kDa) and zinc oxide tetrapods (ZnOT), short milled (ZnOT 5 min) and long milled (ZnOT 60 min) zinc oxide tetrapods.
- Table 6.3. Adsorption studies of proteins with an isoelectric point in the basic pH range and different molecular weight (avidin: IEP = pH 10.5, 66 kDa; lysozyme: IEP = pH 11, 14 kDa) and zinc oxide tetrapods (ZnOT), short milled zinc oxides tetrapods (ZnOT 5 min) and long milled zinc oxide tetrapods (ZnOT 60 min).
- Figure 6.13. Adsorption studies of all proteins with different molecular weight and different isoelectric points (BSA: IEP = pH 4.9, 66 kDa; OVA: IEP = pH 4.5, 44 kDa; alpha-lactalbumin: IEP = pH 4.4, 14 kDa; avidin: IEP = pH 10.5, 66 kDa; lysozyme: IEP = pH 11, 14 kDa) and zinc oxide.
- Table 6.4. Adsorption studies of all proteins with different molecular weight and different isoelectric points (BSA: IEP = pH 4.9, 66 kDa; OVA: IEP = pH 4.5, 44 kDa; alpha-lactalbumin: IEP = pH 4.4, 14 kDa; avidin: IEP = pH 10.5, 66 kDa; lysozyme: IEP = pH 11, 14 kDa) and zinc oxide.

The author apologizes for this mistake.

Corrigenda - Deutsch

Kapitel 6.1.2 der Dissertation, "Adsorption", enthält folgenden Fehler: In diesem Kapitel werden die Ergebnisse der Adsorptionsstudien von Proteinen mit verschiedenen Molekulargewichten und verschiedenen isoelektrischen Punkten und Zinkoxid (ZnO), Zinkoxid-Tetrapoden (ZnOT), kurz gemahlenen (ZnOT 5 min) und lang gemahlenen (ZnOT 60 min) Zinkoxid-Tetrapoden, Aluminiumhydroxid und Aluminiumphosphat gezeigt. Für eine bessere Vergleichbarkeit der Daten wurde die Menge des adsorbierten Proteins in mmol/m^2 berechnet. Bei der Berechnung ist ein Fehler unterlaufen. Um eine korrigierte Version zu erhalten, müssen alle Einheiten in den folgenden Tabellen, Grafiken und den entsprechenden Textabschnitten von mmol/m^2 auf $\mu\text{mol/m}^2$ korrigiert werden:

- Figure 6.11. Adsorption studies of proteins with a molecular weight of 66 kDa and different isoelectric points (IEP BSA = pH 4.9, IEP avidin = pH 10.5) and zinc oxide (ZnO) and zinc oxide tetrapods (ZnOT).
- Table 6.2. Adsorption studies of proteins with a molecular weight of 66 kDa and different isoelectric points (IEP BSA = pH 4.9, IEP avidin = pH 10.5) and zinc oxide (ZnO) and zinc oxide tetrapods (ZnOT).
- Figure 6.12. Adsorption studies of proteins with an isoelectric point in the basic pH range and different molecular weight (avidin: IEP = pH 10.5, 66 kDa; lysozyme: IEP = pH 11, 14 kDa) and zinc oxide tetrapods (ZnOT), short milled (ZnOT 5 min) and long milled (ZnOT 60 min) zinc oxide tetrapods.
- Table 6.3. Adsorption studies of proteins with an isoelectric point in the basic pH range and different molecular weight (avidin: IEP = pH 10.5, 66 kDa; lysozyme: IEP = pH 11, 14 kDa) and zinc oxide tetrapods (ZnOT), short milled zinc oxides tetrapods (ZnOT 5 min) and long milled zinc oxide tetrapods (ZnOT 60 min).
- Figure 6.13. Adsorption studies of all proteins with different molecular weight and different isoelectric points (BSA: IEP = pH 4.9, 66 kDa; OVA: IEP = pH 4.5, 44 kDa; alpha-lactalbumin: IEP = pH 4.4, 14 kDa; avidin: IEP = pH 10.5, 66 kDa; lysozyme: IEP = pH 11, 14 kDa) and zinc oxide.
- Table 6.4. Adsorption studies of all proteins with different molecular weight and different isoelectric points (BSA: IEP = pH 4.9, 66 kDa; OVA: IEP = pH 4.5, 44 kDa; alpha-lactalbumin: IEP = pH 4.4, 14 kDa; avidin: IEP = pH 10.5, 66 kDa; lysozyme: IEP = pH 11, 14 kDa) and zinc oxide.

Die Autorin bittet um Entschuldigung für diesen Fehler.