Supplementary data to publication in "Journal of Dairy Science" (DOI: https://doi.org/10.3168/jds.2021-21747):

Impact of different dietary regimens at dry-off on performance, metabolism, and immune system in dairy cows

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Supplemental Figure Captions.

Supplemental Figure S1. Dry matter intake (DMI) in dairy cows from d -12 until d +6 relative to dry-off. Cows were either fed concentrates rich in crude protein (Nitrogenic; n = 14), carbohydrates (Glucogenic; n = 14), or lipids (Lipogenic; n = 15). At d -3 before dry-off, feed restriction was applied to half of the cows in all dietary treatments. Data are mean values \pm SEM. Filled symbols indicate the control groups, empty symbols represent the restricted groups of the respective dietary treatments. Different letters indicate a significant difference (*P* < 0.05) within the restricted (a,b,c) or control group (A,B,C) over time (3-d intervals). A significant difference (*P* < 0.05) between the restrictive and respective control group at the same interval is marked with "*".

Supplemental Figure S2. Milk protein content in dairy cows from d -12 until dry-off. Cows were either fed concentrates rich in crude protein (Nitrogenic; n = 14), carbohydrates

(Glucogenic; n = 14), or lipids (Lipogenic; n = 15). At d -3 before dry-off, feed restriction was applied to half of the cows in all dietary treatments. Data are mean values \pm SEM. Filled symbols indicate the control groups, empty symbols represent the restricted groups of the respective dietary treatments.

Supplemental Figure S3. Milk fat content in dairy cows from d -12 until dry-off. Cows were either fed concentrates rich in crude protein (Nitrogenic; n = 14), carbohydrates (Glucogenic; n = 14), or lipids (Lipogenic; n = 15). At d -3 before dry-off, feed restriction was applied to half of the cows in all dietary treatments. Data are mean values ± SEM. Filled symbols indicate the control groups, empty symbols represent the restricted groups of the respective dietary treatments. The letters x and y indicate a significant difference (P < 0.05) between d -4 and d - 1 relative to dry-off in the restrictive groups.

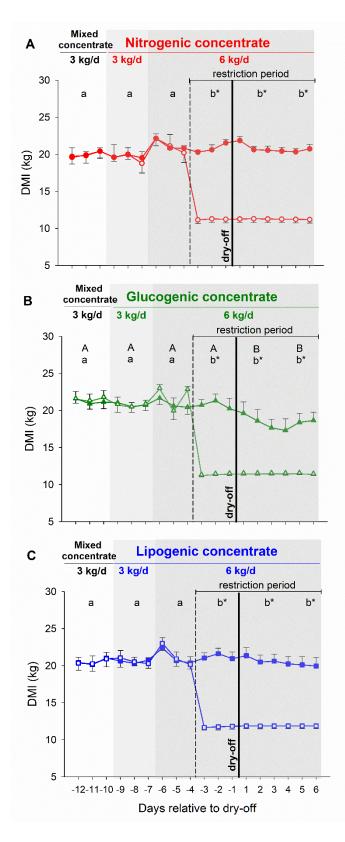
Supplemental Figure S4. Milk fat:protein ratio in dairy cows from d -12 until dry-off. Cows were either fed concentrates rich in crude protein (Nitrogenic; n = 14), carbohydrates (Glucogenic; n = 14), or lipids (Lipogenic; n = 15). At d -3 before dry-off, feed restriction was applied to half of the cows in all dietary treatments. Data are mean values \pm SEM. Filled symbols indicate the control groups, empty symbols represent the restricted groups of the respective dietary treatments. The letters x and y indicate a significant difference (*P* < 0.05) between d -4 and d -1 relative to dry-off in the restrictive groups.

Supplemental Figure S5. Milk sodium content in dairy cows from d -12 until dry-off. Cows were either fed concentrates rich in crude protein (Nitrogenic; n = 14), carbohydrates (Glucogenic; n = 14), or lipids (Lipogenic; n = 15). At d -3 before dry-off, feed restriction was applied to half of the cows in all dietary treatments. Data are mean values \pm SEM. Filled

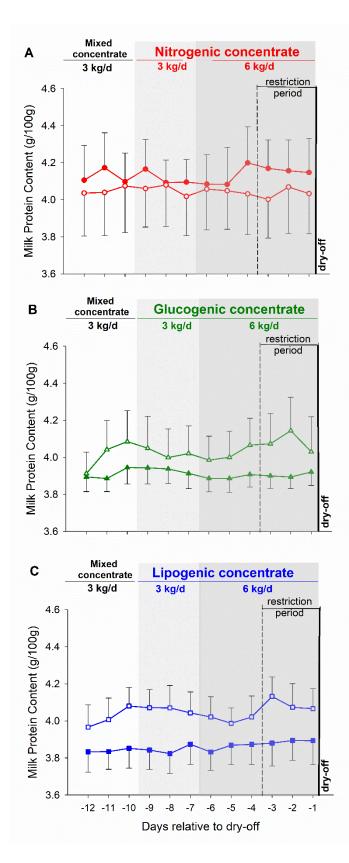
symbols indicate the control groups, empty symbols represent the restricted groups of the respective dietary treatments.

Supplemental Figure S6. Milk potassium content in dairy cows from d -12 until dry-off. Cows were either fed concentrates rich in crude protein (Nitrogenic; n = 14), carbohydrates (Glucogenic; n = 14), or lipids (Lipogenic; n = 15). At d -3 before dry-off, feed restriction was applied to half of the cows in all dietary treatments. Data are mean values \pm SEM. Filled symbols indicate the control groups, empty symbols represent the restricted groups of the respective dietary treatments. The letters x and y indicate a significant difference (*P* < 0.05) between d -4 and d -1 relative to dry-off in the restrictive groups. A significant difference (*P* < 0.05) between the restrictive and respective control group at the same interval is marked with "*", while tendencies (*P* < 0.10) are marked with "#".

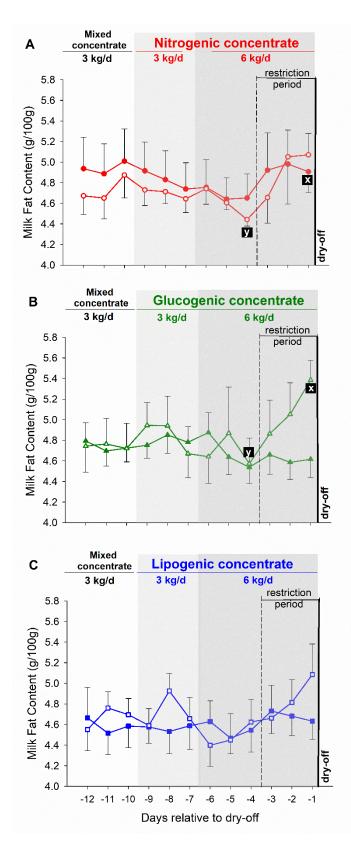
Supplemental Figure S7. Milk chloride content in dairy cows from d -12 until dry-off. Cows were either fed concentrates rich in crude protein (Nitrogenic; n = 14), carbohydrates (Glucogenic; n = 14), or lipids (Lipogenic; n = 15). At d -3 before dry-off, feed restriction was applied to half of the cows in all dietary treatments. Data are mean values \pm SEM. Filled symbols indicate the control groups, empty symbols represent the restricted groups of the respective dietary treatments. A significant difference (*P* < 0.05) between the restrictive and respective control group at the same interval is marked with "*", while tendencies (*P* < 0.10) are marked with "#".



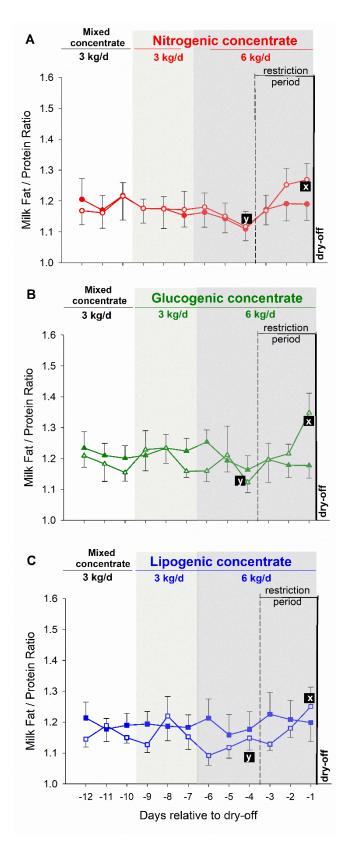
Supplemental Figure S1.



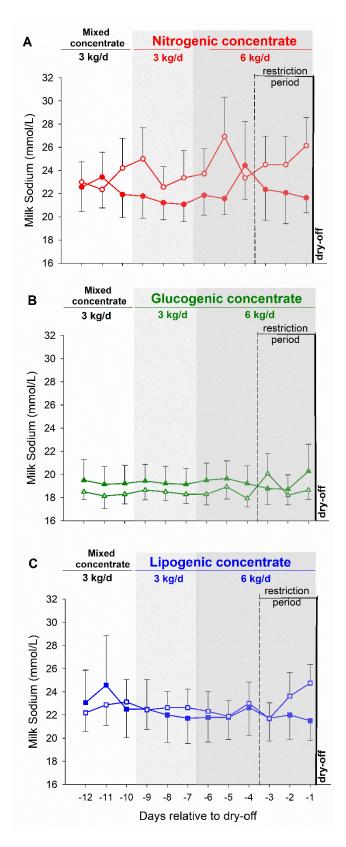
Supplemental Figure S2.



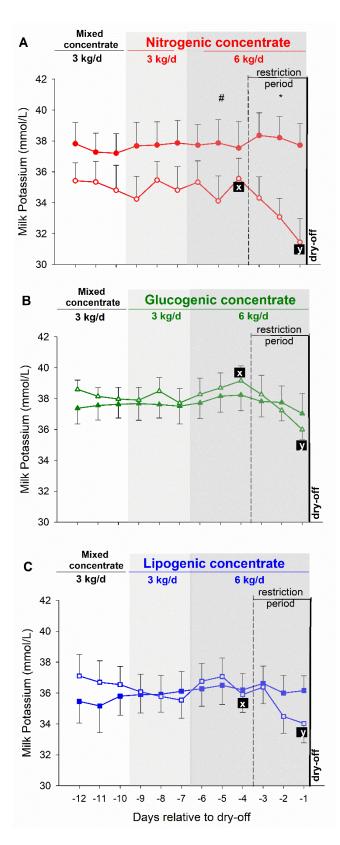
Supplemental Figure S3.



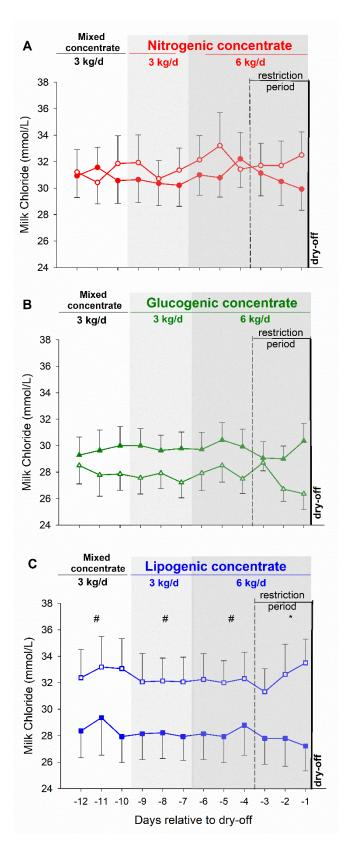
Supplemental Figure S4.



Supplemental Figure S5.



Supplemental Figure S6.



Supplemental Figure S7.