

Adjusted Calories Diet (10/Fat)

Formula	g/Kg
Casein	216.0
DL-Methionine	2.5
Corn Starch	455.2
Maltodextrin	135.8
Sucrose	67.0
Hydrogenated Vegetable Oil	25.0
Corn Oil	12.0
Cellulose	36.5
Vitamin Mix, Teklad (40060)	10.0
Mineral Mix, AIN-76 (170915)	35.0
Calcium Carbonate	5.0

Footnote

This formula was designed as a low-fat control diet for TD.93075 and TD.07011. Sucrose is adjusted to be proportional as a percent of calories, ~7.5%.

Selected Nutrient Information¹

	% by weight	% kcal from
Protein	19.0	21.3
Carbohydrate	61.4	68.8
Fat	3.9	9.9
Kcal/g	3.6	

¹ Values are calculated from ingredient analysis or manufacturer data

Speak With A Nutritionist

- + (800) 483-5523
- + askanutritionist@envigo.com

Teklad diets are designed & manufactured for research purposes only.

Key Features

- + Purified Diet
- + Control
- + Reduced Sucrose

Key Planning Information

- + Products are made fresh to order
- + Store product at 4°C or lower
- + Use within 6 months (applicable to most diets)
- + Box labeled with product name, manufacturing date, and lot number
- + Replace diet at minimum once per week
 - More frequent replacement may be advised*
- + Lead time:
 - 2 weeks non-irradiated
 - 4 weeks irradiated

Product Specific Information

- + 1/2" Pellet or Powder (free flowing)
- + Minimum order 3 Kg
- + Irradiation available upon request

Options (fees will apply)

- + Rush order (pending availability)
- + Irradiation (see Product Specific Information)
- + Vacuum packaging (1 and 2 Kg)

Contact Us

Obtain pricing · Check order status

- + teklad@envigo.com
- + (800) 483-5523



International Inquiry (outside USA or Canada)

- + askanutritionist@envigo.com

Place Your Order (USA & Canada)

Please Choose One

- + www.envigo.com/teklad-orders
- + tekladorders@envigo.com
- + (800) 483-5523
- + (608) 277-2066 *facsimile*

April 6, 2018

Replacement of Primex Brand Hydrogenated Vegetable Shortening

As of April 11th, 2018 Primex brand hydrogenated vegetable oil (HVO) will no longer be included in diets manufactured by Envigo Teklad Diets. Diets made after April 11th replace Primex with an USP, food-grade HVO that has a similar texture and fatty acid profile (see table). Manufacturing tests revealed no appreciable differences in physical qualities of the finished diet. While diet numbers will not change, you may notice an updated diet title and ingredient description on the diet datasheet.

While we strive to minimize supplier changes, due to the upcoming FDA ban on trans fats in human foods, Primex is no longer in production. The replacement HVO is more expensive, as the market for trans fat-containing oils has shrunk. For diets containing HVO at the most typical inclusion rates of 100-300 g/kg this will result in an increase in price of ~\$3-8/kg diet.

Depending on your research goals and desire for relevance to human diets, you may wish to replace your Primex-containing diet with a HVO without trans fats such as Crisco. Crisco is a proprietary HVO with minimal trans fats (see table). We also have several popular obesity inducing diets with alternate fat sources like lard or milkfat that may be suitable for your research. Contact a nutritionist to discuss alternate options.

Comparison of the fatty acid profile of Primex, Envigo Teklad's Replacement HVO and Crisco.

Fatty Acids, %	Primex HVO ¹	Replacement HVO ²	Crisco ³
Trans fatty acids	23.9 - 36.1	26.4 - 32.8	0.6
Saturated fatty acids	25.3 - 27.1	24.2 - 24.5	25.8
Monounsaturated fatty acids	25.3 - 33.3	29 - 34.9	18.7
Polyunsaturated fatty acids	5.6 - 9.0	7.7 - 8.0	49.5
16:0 palmitic acid	14.0 - 17.4	11 - 12	16.9
18:0 stearic acid	9.1 - 11.5	11.8 - 12.5	9.6
18:1 n9T elaidic acid	22.2 - 34.7	24.5 - 30.6	0
18:1 n9C oleic acid	16.6 - 26.5	21.5 - 28.5	18.1
18:1 n7C vaccenic acid	2.2 - 2.4	2.2	1.2
18:1 other cis isomers	6.3 - 7.8	6.2 - 6.5	0
18:2 n6 linoleic acid	5.8 - 9.1	7.7 - 7.8	44.8
18:2 other trans isomers	3.2 - 4.0	3.7	0.5
18:3 n3 linolenic acid	0.3 - 0.5	0.2	6.1
19:0 nonadecanoic acid	0.6 - 0.7	0.6	0
20:0 arachidic acid	0.3 - 0.4	0.4-0.5	0.4

¹Range for Primex HVO represents the average \pm 1 standard deviation (soybean and cottonseed or palm oil; n = 4).

²Replacement Hydrogenated Vegetable Oil is a UPS food grade partially HVO (soybean and cottonseed; n = 2).

³Crisco fatty acid profile determined in 2016 (n = 1).

For additional questions or a diet consultation please contact our nutritionists at Askanutritionist@envigo.com. Thank you for your continued support of Envigo Teklad Diets.