

TD.01432**Sterilizable Fenbendazole Diet
(2018S, 150 ppm)**

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<p>Description</p> <p>TD.01432, Teklad Global 18% Protein Sterilizable Rodent Diet (2018S) with 150 ppm fenbendazole, is designed for the treatment of pinworm infections commonly found in laboratory rodent species.</p> <p>The diet is suitable for autoclaving and is also available irradiated (TD.01432.I).</p>	<p>Key Features</p> <ul style="list-style-type: none"> • Fenbendazole • Pinworms • Global 2018 Rodent Diet 															
<p>Use</p> <p>Fenbendazole is an effective treatment against pinworm infections in a variety of laboratory animal models including: rat <i>Syphacia muris</i>, mouse <i>S. obvelat</i> and <i>Apsicularis tetraptera</i>, Syrian hamster <i>S. mesocricetus</i> and the Mongolian gerbil <i>Dentostomella translucida</i>¹⁻⁵.</p> <p>Protocols for the eradication of pinworms without environmental decontamination typically include feeding of TD.01432 for 7 consecutive days followed by 7 days of non-medicated diet for a total of 3 cycles (minimum of 42 days)^{2,3}. Autoclaved diet may not be suitable for rat models⁴. Consult your veterinarian when developing a treatment program.</p>	<p>Storage and Stability</p> <p>TD.01432 should be stored below 70°F and 65% relative humidity. Autoclaved diet has previously been fed to mice, but due to the reduction in fenbendazole (86 ± 5; n=5), autoclaved TD.01432 may result in inadequate dosing of rats⁴.</p> <p><i>Use this diet as directed by a veterinarian</i></p>															
<p>Research Considerations</p> <p>Caution is advised when interpreting data collected during pinworm infestation and fenbendazole treatment. Pinworm infestations may cause changes in behavior, growth rate, and intestinal and immune function introducing research variability². Fenbendazole is considered relatively non-toxic, but may exert physiological effects that can influence experimental results⁶⁻¹⁰.</p>	<p>Typical Fenbendazole Levels</p> <table border="1"> <thead> <tr> <th></th> <th>Fenbendazole ± SD, ppm</th> <th>n</th> </tr> </thead> <tbody> <tr> <td>Post-production</td> <td>143 ± 12</td> <td>24</td> </tr> <tr> <td>6 months</td> <td>149 ± 15</td> <td>7</td> </tr> <tr> <td>9 months</td> <td>136 ± 10</td> <td>5</td> </tr> </tbody> </table>		Fenbendazole ± SD, ppm	n	Post-production	143 ± 12	24	6 months	149 ± 15	7	9 months	136 ± 10	5			
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<p>Monitoring</p> <p>Several techniques are available for monitoring of pinworm infections including perianal tape test, anal swab, fecal flotation, and direct examination of the colon or cecum at necropsy^{2,11}. Although the perianal tape test is cost effective and requires little training, sensitivity is lower than direct examination of the colon or cecum^{1,2}.</p> <p>Use of TD.01432 and pinworm monitoring practices should be done under the direction of a veterinarian.</p>	<p>Selected Nutrient information¹</p> <table border="1"> <thead> <tr> <th></th> <th>% by weight</th> <th>% kcal from</th> </tr> </thead> <tbody> <tr> <td>Protein</td> <td>18.4</td> <td>24</td> </tr> <tr> <td>CHO</td> <td>44.2</td> <td>58</td> </tr> <tr> <td>Fat</td> <td>6.0</td> <td>18</td> </tr> <tr> <td>Kcal/g</td> <td>3.1</td> <td></td> </tr> </tbody> </table> <p>¹ Values are calculated from ingredient analysis or manufacturer data</p>		% by weight	% kcal from	Protein	18.4	24	CHO	44.2	58	Fat	6.0	18	Kcal/g	3.1	
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<p>References</p> <ol style="list-style-type: none"> 1. Barlow SC, Brown MM, Price HV. 2005. Contemp Top Lab Anim Sci 44: 23-5. PMID: 15697194. 2. Pritchett KR, Johnston NA. 2002. Contemp Top Lab Anim Sci 41: 36-46. PMID: 11958602. 3. Huerkamp MJ, Benjamin KA, Zitzow LA, Pullium JK, Lloyd JA, et al. 2000. Contemp Top Lab Anim Sci 39: 9-12. PMID: 11178318. 4. Coghlan LG, Lee DR, Psencik B, Weiss D. 1993. Lab Anim Sci 43: 481-7. PMID: 8277731. 5. Huerkamp MJ, Benjamin KA, Webb SK, Pullium JK. 2004. Contemp Top Lab Anim Sci 43: 35-6. PMID: 15053507. 6. Villar D, Cray C, Zaias J, Altman NH. 2007. J Am Assoc Lab Anim Sci 46: 8-15. PMID: 17994667. 7. Cray C, Watson T, Zaias J, Altman NH. 2013. J Am Assoc Lab Anim Sci 52: 286-9. PMID: 23849411. 8. Yu CG, Singh R, Crowds C, Raza K, Kincer J, Geddes JW. 2014. Neuroscience 256: 163-9. PMID: 24183965. 9. Landin AM, Frasca D, Zaias J, Van der Put E, Riley RL, et al. 2009. J Am Assoc Lab Anim Sci 48: 251-7. PMID: 19476712. 10. Duan Q, Liu Y, Booth CJ, Rockwell S. 2012. J Am Assoc Lab Anim Sci 51: 224-30. PMID: 22776123. 11. Meade TM, Watson J. 2014. J Am Assoc Lab Anim Sci 53: 661-7. PMID: 25650973. 	<p>Key Planning Information</p> <ul style="list-style-type: none"> • Use within 9 months • Lead time: • Shipped within 2 weeks  <p>Product Specific Information</p> <ul style="list-style-type: none"> • Round Pellet • Nutritionally complete • Packaging Options • Autoclavable: TD.01432 (50 pound bag) • Irradiated: TD.01432.I (25 pound bag) <p>International Inquiry</p> <p>• Outside USA or Canada</p> <ul style="list-style-type: none"> • askanutritionist@inotivco.com <p>Contact Us</p> <p>Obtain Pricing · Check Order Status</p> <ul style="list-style-type: none"> • teklad@inotivco.com • 800.483.5523 															
<p>Speak with a Nutritionist</p> <ul style="list-style-type: none"> • 800.483.5523 • askanutritionist@inotivco.com <p><i>Teklad Diets are designed & manufactured for research purposes only.</i></p>	<p>Place Your Order (USA & Canada)</p> <p><i>Please Choose One</i></p> <ul style="list-style-type: none"> • www.inotivco.com/teklad-orders • tekladorders@inotivco.com • 800.483.5523 															