

## Class J&A for Research Animal Feed and Bedding

### Class Justification and Approval for Other Than Full and Open Competition

1. Contracting Activity:

Department of Veterans Affairs (VA)  
Office of Acquisition Operations (OAO)  
Strategic Acquisition Center (SAC)  
10300 Spotsylvania Avenue, Suite 400  
Fredericksburg, VA 22408

2. Description of Action:

This action is to incorporate brand-name descriptions in solicitations and contracts for research animal feed and bedding (F&B). This Class J&A is effective from December 1, 2014, through November 30, 2019, or until rescinded, whichever is earlier.

3. Description of Supplies/Services:

VHA facilities are using over 70 animal feed and 40 bedding brand-name products in ongoing studies. The VHA requires the controlled F&B products listed in Appendix A for this research. These F&B products are specific to the manufacturer, animal species, and research protocols as explained in paragraph 5 of this Justification.

The estimated value of this Class J&A is \$3,678,392 is shown in Table 1.

Table 1. Estimated Total Annual Purchases

	Year One	Year Two	Year Three	Year Four	Year Five	TOTAL
Feed	\$336,426	\$355,497	\$367,323	\$380,091	\$388,217	\$1,827,554
Bedding	\$336,168	\$346,794	\$371,939	\$388,894	\$407,044	\$1,850,838
Total	\$672,594	\$702,291	\$739,262	\$768,984	\$795,261	\$3,678,392

4. Authority:

The statutory authority permitting other than full and open competition is 41 USC 253(c)(1) as implemented by FAR 6.302-1 "Only One Responsible Source and No Other Supplies or Services Will Satisfy Agency Requirements."

5. Rationale Supporting Use of Authority Cited Above:

The VA's medical research program was established in 1925. Currently, 75 Veterans Health Administration (VHA) facilities throughout the United States (US) are conducting research critical to the health of our Veterans using multiple species of research animals. The ability to replicate research results is fundamental for good science. One basic tenet is to control all variables except those being studied. Variations of the animals' environment are kept to a minimum. F&B are important environmental factors that affect reproduction, growth, disease, and responses to experimental manipulation in laboratory animals ultimately influencing study results.

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Feed contains natural ingredients comprising nutritive and non-nutritive components. Examples of the latter include phytoestrogens, nitrosamines, phytosterols, and antioxidants. Both nutrients and non-nutrients have a significant impact on research results.

Purina LabDiet, BioServ, and Dyets conduct and use the results of scientific research to develop unique formulas that are specific to the nutritional needs of animal species and their conditions (e.g., growth, reproduction, and sustenance). These manufacturers supply a variety of brand-name products that are consistent with animal feed guidelines overseen by the Food and Drug Administration (FDA); however, exact ingredients vary by company. Further, research protocols may require manipulation of feed profiles to induce or alleviate a physical condition or investigate the mechanisms by which specific nutrients impact disease states. Examples of commonly manipulated nutrients include vitamins and minerals, fat type and level, cholesterol, fiber and protein. Manufacturers can provide diets with sufficient, deficient, or excessive levels of each of the vitamins or minerals as well as variation in the macronutrients, protein, carbohydrate, fat, and fiber.

Research animal feed manufacturers are subjected to stringent requirements for quality control imposed on them by the National Institutes of Health (NIH) commencing with raw ingredient selection and treatment, during manufacture and through to transportation and delivery to VHA facilities. Details are contained in paragraph 8 below.

By combining feed formulations specific to the species' nutrient needs, condition, and study protocols with quality control, Purina Labdiet, BioServ, and Dyets produce specific brand-name products that provide the purity and consistency needed in research. Researchers in VHA facilities have been using the specific brand-name products listed in Appendix A in ongoing studies. Changing this feed would introduce uncontrolled, unintended variation into studies that will affect results.

Each bedding manufacturer has unique product formulations consisting of variations of materials (e.g., wood, paper, corn cob), configurations (e.g., paper products from virgin pulp, or coiled paper to induce nesting), and treatments (e.g., cob and wood products are heat treated to reduce humidity and to destroy microbiologic contaminants). Bedding is a variable with significant implications for research results due to the animal's close contact on a continuous basis. Researchers have noted that varying animal bedding impacts the animal's behavior in a laboratory setting. Changing this bedding would introduce unwanted variations into scientific research.

Overall, the driving factor for the use of brand-name products is the impact of introducing different F&B into each laboratory study. F&B must be an exact match to existing F&B to ensure all variables are controlled. Researchers are using specific F&B brand-name products in ongoing studies, and changing this F&B will introduce variables that will impact results.

Research animal F&B have been treated as important factors in VHA research since the early 1970s. Changing F&B precludes researchers from performing meaningful comparisons of current studies with older studies and building on previous study results, resulting in the loss of, and investment in, a great deal of scientific research to date that would not be recovered through competition. Therefore, procurement of the brand-name products listed in Appendix A is in the Government's best interests.

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### 6. Efforts to Obtain Competition:

Market research was conducted to determine if competition could be sought when research facilities purchase research animal feed or bedding. F&B from different manufacturers contain similar ingredients; however, no product matches any other product, making competition of identical F&B impossible.

The option to develop other VHA diet formulas to enable soliciting competitive quotes was considered. Purina LabDiet employs over seventy-five Ph.D. and veterinary nutritionists, and uses the results of their more than 70-years' experience to develop and maintain their brand-name products. The VHA does not have the human capital, institutional knowledge, or funds to develop feed formula specifications.

As required for each purchase under this class J&A, VHA will issue a pre-solicitation and/or award notice via the Government Point of Entry (GPE) as required by FAR 5.201(b)(1)(i) and FAR 5.301(a). In response to that notice, all responsible sources will be given the opportunity to submit a capability statement, proposal, or quotation, which will be considered by the agency.

### 7. Determination of Fair and Reasonable Cost:

The cost to the Government for all contract actions will be fair and reasonable. Contracting officers using the authority cited in this class J&A will be responsible for determining contract price fair and reasonable through a variety of methods, including comparison with commercial published prices and with prices of the same or similar items in a related industry.

### 8. Market Research:

Extensive market research was conducted from October 2013 to June 2014, including web searches, review of manufacturer and professional organization websites and marketing materials; emails, phone calls, and meetings; and a data call from VHA research facilities. A Request for Information (RFI) was posted on Federal Business Opportunities, December 21, 2013, and closed January 31, 2014.

Eight companies responded to the RFI (Paragraph 10. below). One-on-one discussions were conducted with these companies on March 21, 2014.

Market research revealed that industry suppliers of research animal F&B consist of a limited number of manufacturers in the animal research community with the unique understanding of the impact of F&B to scientific studies gained through years of experience. VHA facilities are currently using animal feed products produced primarily by Purina Lab Diet, St. Louis, Missouri. Purina has used over 70 years' experience as a supplier of research animal feed to develop and maintain specific, consistent feed products needed for research studies. Bioserv and Dyets have each used more than 40 and 20 years' experience in the production of research animal feeds, respectively.

VHA facilities are currently using animal bedding products manufactured by Harlan-Teklad, The Andersons, and Shepherd Specialty Papers, the largest suppliers of research animal bedding. VHA facilities are also procuring bedding produced by, P.J. Murphy Forest Products, Northeastern Products Corp. (NEPCO), Fibercore, Ancare, Innovive, Biofresh (the laboratory division of Healthy Pet®) and BioServ. Each bedding manufacturer has its own products consisting of variations of materials (e.g., wood, paper, and cob). Each manufacturer has at least 20 years' experience manufacturing animal bedding to research standards.

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The National Institutes of Health (NIH), pharmaceutical companies, and independent research laboratories are the largest buyers of research animal F&B. Because NIH is a large and longstanding consumer, its standards have influenced industry practices for research animal F&B. These standards impose strict requirements for handling of raw ingredients, manufacturing, storage, and transportation. These standards ensure that contamination from external sources such as pest and rodent infestation, pesticides, chemicals, and other contaminants does not occur, toxins do not exceed acceptable limits and nutritional requirements are met. Quality is assured by NIH inspections of manufacturing plants and distribution facilities at least yearly. The result is brand-name products delivered at the consistency and quality needed for scientific research. NIH currently shares inspection results with the VHA; and the VHA plans to participate in joint inspections with NIH in the future.

Based on market research, to control all variables, the brand name products included in this J&A are required to ensure future purchases of F&B match.

### 9. Other Facts:

None.

### 10. A listing of the sources, if any, that expressed, in writing, an interest in the acquisition:

Eight responses were received from the following firms:

- Feed Manufacturers
  - Harlan-Teklad, Inc., Indianapolis, Indiana (also supplies bedding) (large business)
  - Purina Lab Diet, St. Louis, Missouri (large business)
- Bedding Manufacturers
  - The Andersons, Maumee, Ohio, (cob and paper bedding) (large business)
  - Biofresh, Ferndale, Washington (Paper- cellulose from pulp) (large business)
  - Fibercore, Cleveland, Ohio, (Paper) (small business)
  - P.J. Murphy Forest Products, Montville, New Jersey (Wood by-products)(Large business)
- Feed Distributors
  - AYOTA, San Diego, California, feed for Canine (Woman-owned small business (WOSB))
  - Legend and White Animal Health Corporation, Lincolnshire, Illinois, Feed for canine, feline, guinea pigs, rabbits, gerbils, hamsters, rats and mice, poultry and frogs (WOSB)

### 11. Actions to Remove Barriers to Future Competition:

For the reasons set forth in this document, the VHA has no plans at this time to compete future contracts for the types of supplies covered by this Class J&A.

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12. Technical and Requirements Certification:

I certify that the supporting data under my cognizance, which are included in this justification, are accurate and complete to the best of my knowledge and belief.

Name: Michael T. Fallon, DVM, PhD  
Chief Veterinary Medical Officer,  
Office for Research and Development  
Veterans Health Administration

Date: November 24, 2014

Signature: Michael T. Fallon, DVM, PHD  
Digitally signed by Michael T. Fallon, DVM, PhD  
DN: cn=Michael T. Fallon, DVM, PhD,  
ou=Atlanta OAMC, ou=Chief Veterinary  
Medical Officer,  
email=mtcfallon@va.gov, c=US  
Date: 2014.11.24 09:06:47 -0500

13. Procuring Contracting Officer Certification:

I certify that this justification is accurate and complete to the best of my knowledge and belief.

Name: Mr. Blake McIlvane  
Procuring Contracting Officer  
Strategic Acquisition Center  
Department of Veterans Affairs

Date: November 24, 2014

Signature: blake.mcilvane@va.gov  
Digitally signed by  
blake.mcilvane@va.gov  
DN: cn=blake.mcilvane@va.gov,  
c=US, o=20141124 09:55:09 -0500

14. Legal Sufficiency Certification:

I have reviewed this justification and find it adequate to support other than full and open competition and deem it legally sufficient.

Name: L.T. Burlison  
Staff Attorney  
Legal Counsel

Date: \_\_\_\_\_

Signature: Lynn T Burlison 107478  
Digitally signed by Lynn T Burlison  
DN: cn=Lynn T Burlison, o=VA, ou=Legal Counsel,  
c=US, email=lynn.t.burlison@va.gov,  
serial=107478

Approval

In my role as Agency competition Advocate, based on the foregoing justification, I hereby approve the acquisition of the brand-name products for research animal feed and bedding pursuant to the authority cited in 41 USC 253(c)(1) as implemented by FAR 6.302-1, subject to availability to funds, and provided that the supplies herein described have otherwise been authorized for acquisition.

Name: Phyllis Bower

Date: 1/15/15

Competition Advocate

Office of Acquisition Operations

Department of Veterans Affairs

Signature: Phyllis Bower

**APPENDIX A – RESEARCH ANIMAL FEED AND BEDDING PRODUCTS**

**RESEARCH ANIMAL FEED**

<b><u>Purina LabDiet</u></b>			
<b><u>STANDARD DIETS</u></b>	<b><u>CERTIFIED DIETS</u></b>	<b><u>IRRADIATED DIETS</u></b>	<b><u>VERIFIED DIETS</u></b>
<p><b><u>Rodent</u></b></p> <ul style="list-style-type: none"> <li>• 5001 - Laboratory Rodent Diet</li> <li>• 5008 - Formulab Diet</li> <li>• 5010 - Laboratory Autoclavable Rodent Diet</li> <li>• 5012 - Rat Diet</li> <li>• 5013 - Autoclavable Rodent Breeder Diet</li> <li>• 5015 - Mouse Diet</li> <li>• 5020 - Mouse Diet 9F</li> <li>• 5021 - Autoclavable Mouse Breeder</li> <li>• 5CJL - JL Rat &amp; Mouse Auto 6F C</li> <li>• 5K0Q - JL 6% Oval</li> <li>• 5K20 - JL Mouse Breeder/Auto</li> <li>• 5K52 - JL Rat &amp; Mouse Auto 6F</li> <li>• 5K54 - JL Rat &amp; Mouse/Auto 4F</li> <li>• 5K67 - JL Rat &amp; Mouse/Auto 6F</li> <li>• 5K96 - Advanced Protocol Verified Casein Diet 10 IF</li> </ul>	<p><b><u>Rodent</u></b></p> <ul style="list-style-type: none"> <li>• 5002 - Certified Rodent Diet</li> <li>• 5026 - Certified Guinea Pig Diet</li> <li>• 5048 - Certified Primate Diet</li> <li>• 50E6 - Certified Guine Pig - Irradiated</li> <li>• 5322 - Certified Rabbit Diet</li> <li>• 5325 - Certified High Fiber Rabbit Diet</li> <li>• 5C02 - Certified Rodent C</li> <li>• 5C07 - Certified Canine C</li> <li>• 5C48 - Certified Primate C</li> <li>• 5C99 - Certified Mini-Pig G/M C</li> <li>• 5CR4 - Certified CR 14% Protein Rodent Diet</li> <li>• 5K75 - Advanced Protocol Certified PicoLab Rodent 20</li> </ul>	<p><b><u>Rodent</u></b></p> <ul style="list-style-type: none"> <li>• 5053 - PicoLab Rodent Diet 20</li> <li>• 5058 - PicoLab Mouse Diet 20</li> <li>• 5061 - Pico-Vac Lab Rodent Diet</li> <li>• 5062 - Pico-Vac Mouse Diet 20</li> <li>• 5CG4 - JL Rat &amp; Mouse/Irr 6F C</li> <li>• 5K36 - CU Pico Guinea Pig 22%</li> <li>• 5K75 - Advanced Protocol Certified PicoLab Rodent 20</li> <li>• 5K92 - Advanced Protocol Pico-Vac Rodent Soft Mix</li> <li>• 5L0D - PicoLab Laboratory Rodent Diet</li> <li>• 5L25 - PicoLab Rabbit Diet HF</li> <li>• 5LG4-5LL4 - JL Rat &amp; Mouse/Irr 6F</li> <li>• 5LG5 - JL Rat &amp; Mouse/Irr 10F</li> <li>• 5LG6 - JL Rat &amp; Mouse/Irr 4F</li> </ul>	<p><b><u>Rodent</u></b></p> <ul style="list-style-type: none"> <li>• 5V12 - Advanced Protocol Verified - 75 IF EXT</li> <li>• 5V5M - Advanced Protocol PicoLab Select Mouse 50 IF/9F</li> <li>• 5V5R - Advanced Protocol PicoLab Select Rodent 50 IF/6F</li> <li>• 5V75 - Advanced Protocol PicoLab Verified 75 IF</li> </ul> <p><b><u>HEALTH PRODUCTS</u></b></p> <ul style="list-style-type: none"> <li>• 5259 - Monkey Mini MV plus iron</li> <li>• 5290 - Primate Vitamin</li> <li>• 5298 - Monkey Mini MV</li> </ul>

**Purina LabDiet**

**STANDARD DIETS**

- 5LF2 - EURodent Diet 14%
- 5LF5 - EURodent Diet 22%
- 5LL2 - Prolab RMH 1800
- 5P00 - Prolab RMH 3000
- 5P04 - Prolab RMH 3500, Autoclavable
- 5P06 - Prolab RMH 2000
- 5P07 - Prolab RMH 1000
- 5P14 - Prolab RMH 2500
- 5R24 - Prolab RMH 2500, Autoclavable
- Macro-Pack

**Guinea Pig**

- 5025 Guinea Pig Diet
- 5P18 ProLab Guinea Pig

**Rabbit**

- 5304 - Autoclavable Rabbit Diet
- 5321 - Laboratory Rabbit Diet
- 5326 - Laboratory Rabbit Diet HF
- 5P25 - Prolab Hi-Fiber Rabbit
- 5P26 - Prolab Rabbit Diet

**CERTIFIED DIETS**

- 5K91 - Certified Hi-Fiber

**Primate**

- 5LG3 - Advanced Protocol Certified Rodent Diet, 18%
- 5LRT - PicoLab Certified Timothy Hay Cubes
- Macro-Pack

**Guinea Pig**

- 5026 - Certified Guinea Pig Diet
- 50E6 - Certified Guinea Pig - Irradiated
- 5LRT - PicoLab Certified Timothy Hay Cubes

**Rabbit**

- 5322 - Certified Rabbit Diet
- 5325 - Certified High Fiber Rabbit Diet
- 5LRT - PicoLab Certified Timothy Hay Cubes

**IRRADIATED DIETS**

- 5LJ5 - Advanced Protocol PicoLab High Energy Mouse Diet

- 5LP1 - Advanced Protocol Pico-Vac High Energy Mouse Diet
- 5LP8 - Advanced Protocol PicoLab Natural Sunflower
- 5LRT - PicoLab Certified Timothy Hay Cubes
- 5LS4 - PicoLab Laboratory Rabbit Diet
- 5P75-5P76 - Prolab Isopro RMH 3000
- 5V12 - Advanced Protocol Verified - 75 IF EXT
- 5V5M - Advanced Protocol PicoLab Select Mouse 50 IF/9F
- 5V5R - Advanced Protocol PicoLab Select Rodent 50 IF/6F
- 5V75 - Advanced Protocol PicoLab Verified 75 IF
- 58NX - Modified mouse w 30% milk product/48% lcal fat
- Macro-Pack

**Guinea Pig**

- 5053 - PicoLab Rodent Diet 20
- 5058 - PicoLab Mouse Diet 20
- 5061 - Pico-Vac Lab Rodent Diet

- 5B3P - PRIMade NO-CAL Hydrating Electrolyte Replenisher
- 5B3Q - PRIMade Hydrating Electrolyte Replenisher
- 5B4H - Bismuth Subsalicylate Tablets
- 5T4Y - Enrofloxacin (Baytril) Tablets
- 5T4Z - Bismuth Subsalicylate + Enrofloxacin (Baytril) Tablets
- 5TBP - Kaolin Tablets
- 5W56 - Papaya Tablets

**ENRICHMENT PRODUCTS**

**Rodent**

- 5B1X - LabTreat OmniTreat Enrichment Pellets
- 5TCY - LabTreat OmniTreat Enrichment Tablets
- 5TUL - Purified Rodent Tablets
- 5TUM - Grain-Based Rodent Tablets



**Purina LabDiet**

<b><u>STANDARD DIETS</u></b>	<b><u>CERTIFIED DIETS</u></b>	<b><u>IRRADIATED DIETS</u></b>	
<p><b><u>Primate</u></b></p> <ul style="list-style-type: none"> <li>• 5037-5038 - Monkey Diet</li> <li>• 5040 - New World Primate Diet</li> <li>• 5045-5047 - High Protein Monkey Diet</li> <li>• 5049-5050 - Laboratory Fiber-Plus Monkey Diet</li> <li>• 5052 - Fiber-Balanced Monkey Diet</li> <li>• 5K9C - HF Primate (C) 12G</li> <li>• 5LG1 - Advanced Protocol Old World Primate w/DentaGuard</li> <li>• 5LG2 - Advanced Protocol New World Primate w/DentaGuard</li> <li>• 5LK6 - Advanced Protocol Callitrichid Diet</li> <li>• 5LK7 - Advanced Protocol Callitrichid High Fiber Diet</li> <li>• 5P46 - Prolab Primate 18</li> </ul> <p><b><u>Frog</u></b></p> <ul style="list-style-type: none"> <li>• 5LP3 - Advanced Protocol LabDiet Frog Diet</li> </ul> <p><b><u>Feline</u></b></p> <ul style="list-style-type: none"> <li>• 5003 - Laboratory Feline Diet</li> </ul>	<p><b><u>Primate</u></b></p> <ul style="list-style-type: none"> <li>• 5048 - Certified Primate Diet</li> <li>• 5C48 - Certified Primate C</li> <li>• 5K91 - Certified Hi-Fiber Primate</li> </ul> <p><b><u>Ruminant</u></b></p> <ul style="list-style-type: none"> <li>• 5LRT - PicoLab Certified Timothy Hay Cubes</li> </ul> <p><b><u>Swine</u></b></p> <ul style="list-style-type: none"> <li>• 5C99 - Certified Mini-Pig G/M C</li> <li>• 5K99 - Certified Mini-Pig Grower/Maintenance Diet</li> </ul> <p><b><u>Canine</u></b></p> <ul style="list-style-type: none"> <li>• 5007 - Certified Laboratory Canine Diet</li> <li>• 5C48 - Certified Canine Diet</li> <li>• 5L66 - Advanced Protocol® High Density Canine Diet 5lj5</li> </ul>	<ul style="list-style-type: none"> <li>• 5062 - Pico-Vac Mouse Diet 20</li> <li>• 5CG4 - JL Rat &amp; Mouse/Irr 6F C</li> <li>• 5K36 - CU Pico Guinea Pig 22%</li> <li>• 5K75 - Advanced Protocol Certified PicoLab Rodent 20</li> <li>• 5K92 - Advanced Protocol Pico-Vac Rodent Soft Mix</li> <li>• 5L0D - PicoLab Laboratory Rodent Diet</li> <li>• 5L25 - PicoLab Rabbit Diet HF</li> <li>• 5LG4-5LL4 - JL Rat &amp; Mouse/Irr 6F</li> <li>• 5LG5 - JL Rat &amp; Mouse/Irr 10F</li> <li>• 5LG6 - JL Rat &amp; Mouse/Irr 4F</li> <li>• 5LJ5 - Advanced Protocol PicoLab High Energy Mouse Diet</li> <li>• 5LP1 - Advanced Protocol Pico-Vac High Energy Mouse Diet</li> <li>• 5LP8 - Advanced Protocol PicoLab Natural Sunflower</li> <li>• 5LRT - PicoLab Certified Timothy Hay Cubes</li> <li>• 5LS4 - PicoLab Laboratory Rabbit Diet</li> <li>• 5P75-5P76 - Prolab Isopro RMH 3000</li> <li>• 5V12 - Advanced Protocol Verified - 75 IF EXT</li> <li>• 5V5M - Advanced Protocol</li> </ul>	<p><b><u>Primate</u></b></p> <ul style="list-style-type: none"> <li>• 5B1X - LabTreat OmniTreat Enrichment Pellets</li> <li>• 5K24 - Monkey Delight Tablets</li> <li>• 5TCY - LabTreat OmniTreat Enrichment Tablets</li> <li>• 5TUQ - Purified Non-Human Primate Tablets</li> <li>• 5TUR - Grain-Based Non-Human Primate Tablets</li> </ul> <p><b><u>OTHER</u></b></p> <ul style="list-style-type: none"> <li>• 5TVM - Rabbit Tablets</li> <li>• 5TVZ - Guinea Pig Tablets</li> <li>• 5TUW - Cellulose Tablets (Calorie-Free)</li> <li>• 5TUT - Sucrose Reward Tablets</li> </ul> <p><b><u>LAB TREAT ENRICHMENT</u></b></p>

**Purina LabDiet**

<b><u>STANDARD DIETS</u></b>	<b><u>CERTIFIED DIETS</u></b>	<b><u>IRRADIATED DIETS</u></b>	
<p><b><u>Poultry</u></b></p> <ul style="list-style-type: none"> <li>• 5065 - Laboratory Chick Diet S-G</li> <li>• 5070 - Laboratory Cage Layer Diet</li> <li>• 5LP5 - Advanced Protocol Small Avian Maintenance</li> <li>• 5LP6 - Advanced Protocol Large Avian Maintenance</li> </ul> <p><b><u>Ruminant</u></b></p> <ul style="list-style-type: none"> <li>• 5508 - Rumilab Diet</li> <li>• 5510 - Rumilab Maintenance Diet</li> </ul> <p><b><u>Swine</u></b></p> <ul style="list-style-type: none"> <li>• 5080 - Laboratory Mini-Pig Starter Diet</li> <li>• 5081 - Laboratory Mini-Pig Grower Diet</li> <li>• 5082 - Laboratory Mini-Pig Breeder Diet</li> <li>• 5084 - Laboratory Porcine Grower Diet</li> <li>• 594K - Advanced Protocol Low</li> </ul>		<p>PicoLab Select Mouse 50 IF/9F</p> <ul style="list-style-type: none"> <li>• 5V5R - Advanced Protocol PicoLab Select Rodent 50 IF/6F</li> <li>• 5V75 - Advanced Protocol PicoLab Verified 75 IF</li> <li>• Macro-Pack</li> </ul> <p><b><u>Rabbit</u></b></p> <ul style="list-style-type: none"> <li>• 5053 - PicoLab Rodent Diet 20</li> <li>• 5058 - PicoLab Mouse Diet 20</li> <li>• 5061 - Pico-Vac Lab Rodent Diet</li> <li>• 5062 - Pico-Vac Mouse Diet 20</li> <li>• 5CG4 - JL Rat &amp; Mouse/Irr 6F C</li> <li>• 5K36 - CU Pico Guinea Pig 22%</li> <li>• 5K75 - Advanced Protocol Certified PicoLab Rodent 20</li> <li>• 5K92 - Advanced Protocol Pico-Vac Rodent Soft Mix</li> <li>• 5L0D - PicoLab Laboratory Rodent Diet</li> <li>• 5L25 - PicoLab Rabbit Diet HF</li> <li>• 5LG4-5LL4 - JL Rat &amp; Mouse/Irr 6F</li> <li>• 5LG5 - JL Rat &amp; Mouse/Irr 10F</li> <li>• 5LG6 - JL Rat &amp; Mouse/Irr 4F</li> <li>• 5LJ5 - Advanced Protocol PicoLab High Energy Mouse</li> </ul>	<ul style="list-style-type: none"> <li>• 5B1Y - Primate Crunch</li> <li>• 5L0M - Monkey Morsels</li> <li>• 5L0N - Monkey Jumble</li> <li>• 5LP8 - Advanced Protocol PicoLab Natural Sunflower</li> <li>• 5LRM - Monkey Morsels Nut-Free Irradiated</li> <li>• 5LRN - Monkey Jumble Nut-Free Irradiated</li> <li>• 5LRT - PicoLab Certified Timothy Hay Cubes</li> <li>• 5LRV - Veggie Relish Irradiated</li> <li>• 5TJV - Foraging Bits</li> </ul> <p><b><u>LAB TABLETS AND PELLETS</u></b></p> <ul style="list-style-type: none"> <li>• 5LP8 - Advanced Protocol PicoLab Natural Sunflower</li> <li>• Sunflower</li> <li>• Veggie Relish</li> </ul> <p><b><u>CUSTOM ENRICHMENT</u></b></p> <p>The standard tablet weights used are the 45mg, 1 gm and 5 gm</p>

**Purina LabDiet**

<b><u>STANDARD DIETS</u></b>	<b><u>CERTIFIED DIETS</u></b>	<b><u>IRRADIATED DIETS</u></b>	
<p>Residue Porcine Surgery Mix</p> <ul style="list-style-type: none"> <li>• 5L80 - Laboratory Mini-Pig HF Grower Diet</li> <li>• 5P94 - Prolab Mini-Pig Diet</li> </ul> <p><b><u>Canine</u></b></p> <ul style="list-style-type: none"> <li>• 5006 - Laboratory Canine Diet</li> <li>• Advanced Protocol® Low Residue Canine Surgery mix 5K94</li> <li>• 5L18 - Advanced Protocol® High Density Canine Diet</li> <li>• Advanced Protocol® Certified High Density Canine Diet 5L66</li> <li>• 5P40 - Prolab® Canine 1600</li> <li>• 5P41 - Prolab® Canine 2000</li> <li>•</li> </ul> <p><b><u>Ferret</u></b></p> <ul style="list-style-type: none"> <li>• 5L14 - High density Ferret Diet</li> </ul>		<p>Diet</p> <ul style="list-style-type: none"> <li>• 5LP1 - Advanced Protocol Pico-Vac High Energy Mouse Diet</li> <li>• 5LP8 - Advanced Protocol PicoLab Natural Sunflower</li> <li>• 5LRT - PicoLab Certified Timothy Hay Cubes</li> <li>• 5LS4 - PicoLab Laboratory Rabbit Diet</li> <li>• 5P75-5P76 - Prolab Isopro RMH 3000</li> <li>• 5V12 - Advanced Protocol Verified - 75 IF EXT</li> <li>• 5V5M - Advanced Protocol PicoLab Select Mouse 50 IF/9F</li> <li>• 5V5R - Advanced Protocol PicoLab Select Rodent 50 IF/6F</li> <li>• 5V75 - Advanced Protocol PicoLab Verified 75 IF</li> <li>• Macro-Pack</li> </ul>	<p>tablets. Other sizes are available. Custom Precision Pellet Tablets can be flavored and colored.</p>

**Bio-Serv**

**STANDARD DIETS**

**Rodent**

- Rodent Diet, AIN-76A
- Rodent Diet, AIN-93G
- Rodent Diet, AIN-93M
- Ketogenic Diet, AIN-76A-Modified High Fat, Paste
  
- Mouse Diet, High Fat Fat Calories (60%), Paste
- Mouse Diet, High Fat Fat Calories (60%), Soft Pellets
- Rodent Diet, Grain-Based, Control

**LIQUID DIETS**

**Primate**

- Primilac™ Liquid Infant Primate Diet
- Rhesus Liquid Diet, Control
- AIN-76, Shake and Pour
- Kahn-Pregnant/Weanling
- Lieber-DeCarli '82
- Lieber-DeCarli '82, Shake and Pour
- Low Fat, Lieber-DeCarli '83, '89, Shake and Pour
- Pregnant/Weanling, High Protein, Lieber-DeCarli '82
- Pregnant/Weanling, High Protein, Lieber-DeCarli '82, Shake and Pour
- Reyes, Chocolate Flavor, Ethanol and Maltose Dextrin
- Liquid Diet Feeding Tubes and Holders
- Shake and Pour Bottle (160 oz.)
- Maltose Dextrin (Dried Glucose Syrup, Fine)
- AIN-76\AIN-76, Shake and Pour
- Kahn-Pregnant/Weaning
- Lieber-DeCarli '82

**DUSTLESS, PRECISION PELLETS**

**Rodent**

- DPPs, Grain-Based, Rodent
- DPPs, Purified, Rodent
  
- DPPs, Sucrose
- DPPs, Sugar

**Primate**

- DPPs®, Grain based, Primate
- DPPs®, Purified, Primate
- DPPs, Sucrose®
- DPPs, Sugar®

**ENRICHMENT**

**Rodent**

- Rodent BLT's™
- Bacon Yummies™, Certified
- Rodent Foraging Crumbles, Certified
- Fruit Crunchies™, Certified
- Veggie Crunchies, Certified
- Fruity Bites™, Certified
- Fruity Gems™, Certified
- Veggie-Bites™, Certified
- Sunflower Seeds Black Oil – Sterile
- Supreme Mini-Treats™, Certified
- Yogurt Drops, Certified
- Yogurt Snax
- Yogurt Bites, Certified
- Mealworms, dried certified

**Canine**

- B-Wholesome Treats Certified
- Bacon Softies Certified Non-Sterile/Sterile
- Bacon Yummies Certified
- Beefy Bites Certified
- Beefy Blocks Certified
- Bimple Bones Certified
- K-9 Beef Treats Certified

**Bio-Serv**

**MEDICATED**

**Rodent**

- Dox Diet - Sterile
- Mouse Diet, Helicobacter 4 Drug Combo, 1/2" Pellets - Sterile
- Mouse Helicobacter MD's™ 4 Drug Combo - Sterile
- Mouse MD's™ Baytril (0.5 mg/Tablet)
- Rat Helicobacter MD's™ 4 Drug Combo
- Rodent Diet, Grain-Based Fenbendazole (150 mg/kg)
- Rodent MD's™ Rimadyl (2 mg/Tablet)
- SCIDS MD's™ - Sterile
- SCIDS MD's™ Breeders Formula - Sterile

**Primate**

- PrimiOtic™ - Primate Probiotic
- Primate MD's™, Antibiotic
- Primate MD's™, Anxiolytic
- Primate MD's™, Anthelmintic
- Primate MD's™, NSAID
- Primate MD's™, Steroid
- Primate MD's™ - All
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- Lieber-DeCaril '82, Shake and pour
- Pregnant/Weaning, High Protein
- Pregnant/Weaning, High Protein '82, Shake and pour
- Reyes,, Chocolate Flavor, Ethanol and Maltrose Dextrin
- Maltose Dextrin
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**Guinea Pig**

- Veggie Chips
- Veggie Chips (certified)
- Fruit Crunchies certified
- Fruity Bites certified
- Fruity gems certified
- Nutrablocks certified
- PRIMA-treats
- PRIMA-treats uncolored
- Rabbit Stix certified
- Supreme mini-treats certified
- Timothy cubes certified
- Timothy Hay Mini-Baes
- Yogurt drops certified
- Yogurt Snax
- Veggie bites certified

**Primate**

- Veggie Chips (certified)
- Veggie crunchies (certified)
- Acacia gum
- B wholesome treats certified
- Bimple bones certified
- Crumble disks
- Crumble disks certified
- Fruit and Nut Foraging Mix Certified
- Fruit Crunchies Certified Sterile/Non-Sterile
- Fruity Bites Certified
- Fruity Gems Certified
- Grainola Trail Mix
- Mealworms, dried certified

**Bio-Serv**

**SPECIAL NEEDS DIETS**

**Flodent**

- Bacon Softies certified
- Love Mash Reproductive
- Nutri-Gel Diet (certified / sterile; grain based)
- Nutri-Gel Diet grain-based Dry mix Kit
- Nutri-Gel Diet Purified Dry Mix Kit
- Transgenic dough diet

**Canine**

- Transgenic Dough Diet™ - Sterile
- Bacon Softies certified

**Guinea Pig**

- Sugar free treats calorie-free pellets

**Rabbit**

- Rabbit Stix Certified
- Sugar free Treats Calorie-free

**Swine**

- Prima Burgers
- Softies

- Nutrablocks certified
- PRIMA-treats
- Monkey chews
- Sunflower Seeds Black Oil - Sterile
- Supreme Mini Treats Certified, non sterile/Sterile
- Supreme Mini Treats Certified
- Veggie Bites
- Yogurt Drops Certified
- Yogurt Snax
- Nutrablocks certified
- Nutty monkey Treats
- Turf Foraging Crumbles Certified

**Ferret**

- Bacon Yummies™, Certified
- Beefy Bites™ Certified
- Beef Blocks, Certified

**Rabbit and Swine**

- Veggie Chips
- Veggie Crunchies (certified)
- Fruit Crunchies certified
- Bunny Blocks certified
- B-Wholesome Treats certified
- Fruity Bites™ certified
- Fruity gems™ certified
- Nutrablocks™ certified
- PRIMA-Treats
- Rabbit Stix certified – rabbit only

**Bio-Serv**

**Primate**

- \* PrimiOtic-Primate Probiotic
- \* Monkey Dough Diet
- \* Prima Burgers
- \* Primilac Liquid Infant Primate Diet
- \* Sensitive System Diet
- \* Softies
- \* Sugar-free Treats calorie-free Pellets

**CUSTOM DIETS**

Diets will be produced to customer specifications for each animal species as requested.

- \* Supreme mini-treats™ certified
- \* Timothy cubes certified
- \* Timothy Hay Mini Bales
- \* Yoogurt drops certified
- \* Yogurt Snax
- \* Veggie bites certified
- \* PRIMA-treats

**Equine**

- \* Turf foraging C. umbles certified

## Dyets, Inc.

Dyets, Inc. provides VHA facilities with custom formulated liquid, mineral, and vitamin diets for laboratory animals (rat, mouse, guinea pig, hamster, gerbil, cat, dog, ferret, rabbit, pig, and monkey) as directed by each research facility specific to their individual study requirements.

### RESEARCH ANIMAL BEDDING

RESEARCH ANIMAL BEDDING MANUFACTURERS and DISTRIBUTORS USED BY VHA FACILITIES			
MANUFACTURER	BEDDING TYPE		
	Paper	Wood	Cob
<b>The Andersons</b>			
Bed O-Cob® IR			X
Bed O-Cob®			X
Bed O-Cob® 1/4			X
Bed O-Cob® 1/8			X
Pure O-Cob™	X		
Bed O-Cob® combo	X		X
Enrich-O-Nest®	X		
Crink-F Nest® natural wood	X		
Crink-F Nest®-White	X		
<b>NEPCO</b>			
Shredded Aspen		X	
Cob			X
Premium Pine		X	
<b>Fibercore</b>			
Eco-bedding	X		
Eco-nest	X		
Nestpack	X		
Eco-forage pack	X		
Eco-pack	X		
<b>PJ Murphy</b>			
Sani-Chips® Aspen		X	
7090A Teklad Aspen Sani Chips, 2.2 cubic foot bale		X	
7090M Teklad Maple Sani Chips, 2.2 cubic foot bale		X	
7090C Certified Teklad Sani Chips, 2.2 cubic foot bale		X	
7090S Teklad Softwood Screened, 2.2 cubic foot bale		X	
7990 BG Irradiated Teklad Sani Chips, 30 Lb. Poly Cap Sack		X	
7990 CS Irradiated Teklad Sani Chips, 4 x 3 lb. vacuum packs		X	
<b>Shepherd Specialty Papers</b>			
Alpha-Twist™	X		
Alpha-Dri™	X		
Sheets	X		
Enviro-Dri™	X		
Shepherd's Cob™			X
<b>Biofresh (Lab division of Healthy Pet, formerly Absorption)</b>			
Performance 1/4" and 1/8" pelletized cellulose	X		
Comfort cellulose	X		
Performance bedding plus 1/4" and 1/8" pelletized cellulose	X		
Enrichment (natural crinkles)	X		
7099 TEK-Fresh, 70 Liters	X		
7999 160L Irradiated TEK-Fresh, 10 x 16 Liter Poly Packs	X		
7099W White TEK-Fresh, 70 Liters	X		
<b>Ancare</b>			
Nestlets	X		
Enrichment bedding	X		
Cage liners	X		
<b>Innovive</b>			
Disposable Cages pre-filled w Cob			
Innocage® Mouse			X
Innocage® Rat			X
<b>BioServ</b>			
Enrichment - certified nesting sheets	X		