• Nutrition formulated to help improve mobility in arthritic dogs

• Reduces enzymes involved in cartilage breakdown

• Contains a unique blend of nutrients, including EPA, DHA, antioxidants and natural sources of glucosamine and chondroitin

• High protein-to-calorie ratio

• Nutritionally complete for growth of puppies (dry only) and maintenance of adult and senior dogs

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**JM**

Joint Mobility® Canine Formula

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For Veterinary Professionals Only
Joint Mobility® Canine Formulas

Indications
- Adult and senior dogs with osteoarthritis
- Healthy puppies and adult dogs predisposed to joint disorders
- Other inflammatory joint conditions
- Rheumatoid arthritis

Osteoarthritis (OA) is estimated to affect as many as one in five adult dogs,¹ making it the most common cause of canine clinical lameness.² Irreparable cartilage destruction can occur before clinical signs of OA are recognized³ making early diagnosis challenging. That’s why early intervention with JM is an important part of your overall OA management protocol.

Nutritional technology of JM works at the cellular level

Optimal levels of EPA and DHA help reduce the inflammatory response
- High dietary levels of the long-chain omega-3 fatty acids EPA and DHA compete with AA in the COX-2 pathway
- EPA and DHA shift the COX-2 pathway toward the production of the less-inflammatory compound, PGE₃.

FIGURE 1. High levels of EPA and DHA result in the production of the less inflammatory PGE₃.

EPA and DHA reach the synovial fluid
- JM contains targeted levels of EPA and DHA that have been shown to reduce the inflammatory response.
- Research has shown these levels in the diet result in a significant increase of EPA and DHA in the synovial fluid.

FIGURE 2. Feeding a diet high in long-chain omega-3 fatty acids significantly increased EPA and DHA levels in synovial fluid.⁶

JM nutrition shown to reduce PGE₂ levels
- The levels of DHA and EPA targeted in JM result in a reduction in the levels of inflammatory PGE₂.
- Lower PGE₂ demonstrates that the inflammatory process is affected.

FIGURE 3. A diet rich in EPA and DHA significantly reduced plasma PGE₂ levels.⁶
Shown to improve mobility in dogs with arthritis

Clinical Support

Improved mobility in arthritic dogs fed a test diet

![Diagram showing improved mobility](image)

Prior to diet

Following 7-10 days on diet

FIGURE 4. Arthritic dogs fed a test diet high in omega-3 fatty acids for seven to 10 days showed improved weight bearing as measured by force plate gait analysis (p=0.08).

A unique blend of nutrients for arthritic dogs

Formulated with high levels of EPA and DHA

- A 60-lb. dog consuming 3 3/4 cups of JM dry per day receives approx. 1,076 mg of EPA and 1,669 mg of DHA per day
- A 60-lb. dog consuming 3 5/8 cans of JM per day receives approx. 1,486 mg of EPA and 1,377 mg of DHA per day

Contains a unique blend of nutrients for arthritic dogs

- High protein to calorie ratio to help maintain lean body condition
- Moderate fat to help maintain an ideal body weight
- High levels of antioxidants to help reduce oxidative stress
- Natural sources of glucosamine and chondroitin

Feed to the ideal body weight

- The nutritional management of dogs with arthritis also centers on reducing excess body weight. JM can be fed to achieve a 1% weight loss per week.

Veterinarians were invited to conduct two-month in-clinic feeding trials. Here are the preliminary results from the first 146 of these trials.

**Client Results (n=146)**

- **79%** said their dog showed improvement or significant improvement after 1 month
- **88%** said their dog showed improvement or significant improvement after 2 months
- **90%** are likely to continue feeding JM, based on the improvement they saw

**Veterinarian Results (n=146)**

- **91%** are likely to recommend JM to other patients, based on the improvement they saw

Long chain omega-3 fatty acids

<table>
<thead>
<tr>
<th></th>
<th>1 cup JM</th>
<th>1 can JM</th>
<th>A typical fish oil capsule</th>
</tr>
</thead>
<tbody>
<tr>
<td>EPA (mg)</td>
<td>287</td>
<td>410</td>
<td>180</td>
</tr>
<tr>
<td>DHA (mg)</td>
<td>445</td>
<td>380</td>
<td>120</td>
</tr>
</tbody>
</table>

FIGURE 5. JM contains optimal levels of EPA and DHA for tissue enrichment.

Average Nutrient Composition (Dry Matter Basis)

<table>
<thead>
<tr>
<th></th>
<th>Dry</th>
<th>Canned</th>
</tr>
</thead>
<tbody>
<tr>
<td>Protein, %</td>
<td>34.25</td>
<td>38.82</td>
</tr>
<tr>
<td>Fat, %</td>
<td>14.18</td>
<td>19.87</td>
</tr>
<tr>
<td>Glucosamine mg/kg</td>
<td>1435</td>
<td>834</td>
</tr>
<tr>
<td>Vitamin E, IU/kg</td>
<td>1073</td>
<td>779</td>
</tr>
</tbody>
</table>

**Feeding Guideline**

The following program is recommended as a guideline only, with discretionary clinical adjustments for proper weight maintenance.

<table>
<thead>
<tr>
<th>Body Wt. (lbs.)*</th>
<th>Adult Maintenance Dry cups/day*</th>
<th>1% Weight Loss (Dry)</th>
<th>Adult Maint. Cans/day</th>
</tr>
</thead>
<tbody>
<tr>
<td>20</td>
<td>1 5/8</td>
<td>1 3/8</td>
<td>1 5/8</td>
</tr>
<tr>
<td>40</td>
<td>2 3/4</td>
<td>2 1/8</td>
<td>2 3/8</td>
</tr>
<tr>
<td>60</td>
<td>3 3/4</td>
<td>2 7/8</td>
<td>3 5/8</td>
</tr>
<tr>
<td>80</td>
<td>4 5/8</td>
<td>3 1/2</td>
<td>4 1/4</td>
</tr>
<tr>
<td>100</td>
<td>5 1/2</td>
<td>4</td>
<td>5 3/8</td>
</tr>
</tbody>
</table>

Metabolizable Energy (ME) 1746 Kcal/lb
Metabolizable Energy (ME) 351 Kcal/8 oz. cup

*Using standard 8 oz/ml measuring cup.

Provide adequate fresh water in a clean container for your dog daily.
High levels of EPA and DHA to help manage dogs with OA

- Feeding a diet rich in long-chain omega-3 fatty acids can positively affect joint health5,6
- Formulated with levels of EPA and DHA, for dietary management of arthritic adult dogs
- JM delivers optimal levels for tissue enrichment

Contains a natural source of glucosamine for cartilage and joint health

- Glucosamine is a key component of cartilage and other joint tissues
- Dietary glucosamine provides building blocks to support cartilage and joint health

High levels of antioxidants help reduce oxidative stress

- Osteoarthritis is associated with increased oxidative stress4
- JM includes high levels of antioxidants, such as vitamins C and E, to help reduce oxidative stress and associated tissue damage

High ratio of protein to calories helps maintain lean body condition

- Achieving and maintaining lean body condition is important in reducing joint stress8
- High levels of quality protein in JM help maintain lean body condition and support strong muscles

Excellent palatability promotes acceptance

- Highly palatable to promote patient acceptance and client compliance
- Nutritionally complete for growth of puppies and maintenance of adult and senior dogs
- Available in dry and canned

For more information, visit www.purinavets.com (user name: purinavets: password: nutrition) or call 1-800-222-VETS (8387) weekdays, 8:00 a.m. to 4:30 p.m. CT.

JM Joint Mobility® Canine Formulas from Nestlé Purina are available in dry and canned.