Section B

The E.U.
Video 1

- Alternatives to Animal Testing—In Song
  - [http://www.youtube.com/watch?v=3ShQdc7Kbmo](http://www.youtube.com/watch?v=3ShQdc7Kbmo)
Attitude Toward Laboratory Animals

- European Science Foundation (ESF)
  - Nongovernmental association of 67 leading national science-funding agencies and other organizations that carry out and promote research from 23 European countries
Attitude Toward Laboratory Animals

- ESF position paper on the use of animals in research (2000)
  - ESF recognizes that laboratory animals ... also have an intrinsic value in themselves
  - ... ESF strongly endorses the principles of the “three Rs” ...
# Animals in Research—Comparison of U.S. and Europe

<table>
<thead>
<tr>
<th></th>
<th>United States</th>
<th>Europe</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Training</strong></td>
<td>Variable—hours to days</td>
<td>Weeks</td>
</tr>
<tr>
<td><strong>Ascites</strong></td>
<td>Letter from NIH—but not yet</td>
<td>10 years ago</td>
</tr>
</tbody>
</table>
| **IACUC**              | Quality of science, then pain and distress | ▪ Risk vs. benefit  
▪ Three Rs  
▪ Intrinsic value |
Animal Welfare

- The need ...
  - To have adequate food
  - Access to fresh water

- To be ...
  - Free of pain and distress
  - Free of anxiety and fear
  - Express normal behavior, e.g., hiding, grooming
Welfare Quality

- Good feeding
  - Absence of prolonged hunger and thirst

- Good housing
  - Comfortable, ease of movement

- Good health
  - Absence of injuries, disease, or pain

- Appropriate behavior
  - Social activity, human-animal relationships and absence of fear
Legislation

- Seventh amendment of Cosmetics Act
- REACH