BioCOB is dedicated in bringing you the best laboratory animal bedding that uses the finest corncob to produce a premium product. With stringent factory processes and quality control, only the best corn cob will reach your laboratory.

- Biodegradable
- Non Toxic
- Inert
- Adsorbent—holding up to 4X its weight of Fluid
- Available in various uniform sizes
- Tough resilient and durable

Highly adsorbent and help eliminate odors. It won’t stick or cling to cages or pens, allowing for easy clean-up. All natural corn product.

BioCob
27 Cantonment Road, Singapore 089745
http://www.biocob.com Email: Sales@biocob.com Tel: +65 90 257 258
Corn Cob Laboratory Bedding

Maize is a ubiquitous agricultural plant. Although the corn is the main product, the plant offers other parts that can be of major interest for industrial utilization. Those parts that are usually not removed from the fields come in considerable mass: leaves, stalks and cobs left on the fields alone amounted to more than 500,000 metric tons in the state of Styria. This not utilized material offers an interesting and valuable source for the production of various manufactured goods.

These materials are subsequently optimized for the following functions:

- adsorptive agent in hygienic applications, especially for pets
- adsorptive agent for oil on solid ground and soil in disaster control and cleaning application
- adsorptive agent for oil on water in disaster control

Utilization of agrarian residues like corn cobs offers on the one hand possibilities for the development of a decentralized process industry. The development of products for ecologically sensitive applications from renewable resources offers advantages in terms of reduced pressures on the environment.

Products from corn cob granulate may be used as adsorptive agents for as diverse media as water and odors or even cations. Corn cob granulate is inert and not toxic and can therefore be disposed of with relative ease.

In practical tests it could be confirmed that corn cob granulate:

- is suitable for utilization as an adsorptive material. This applies to a granulate fraction from 0.3-2 mm.
- is very suitable in pet hygienic applications (e.g. laboratory bedding material). This applies to granulate fractions of 3-5 mm for small rodents and 3.5 to 8 mm for bigger rodents. Adsorptive capacity is approximately 1 to 1.3 kg water per kg granulate.

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**BioCOB Adsorbancy Test**

1. Measuring the same amount of Corn Cob in the beaker.
2. Pouring 200ml into each beaker for the corn cob to adsorb.

3. After 30 mins

4. After 60 mins

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### BioCOB SGS Test for Pesticide and Heavy Metal

**Test Report**

No: 101664/2009  Date: April 3, 2009  Page 1 of 3

Bioscience Research Consultants Pte Ltd
27 Cantonment Road
Singapore 089745

The following sample was submitted and evaluated on behalf of the client:

**Sample Description:** BioCOB corn bedded animal bedding

**Sample Receiving Date:** 27 March 2009

**Testing Period:** 28 March 2009 to 03 April 2009

**Test Result:** Please refer to report.

---

### Test Results

<table>
<thead>
<tr>
<th>Test Item</th>
<th>Method</th>
<th>LOD</th>
<th>Results</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>Lead (Pb)</td>
<td></td>
<td>0.15</td>
<td>Not detected</td>
<td>mg/kg</td>
</tr>
<tr>
<td>Cadmium (Cd)</td>
<td></td>
<td>0.02</td>
<td>Not detected</td>
<td>mg/kg</td>
</tr>
<tr>
<td>Mercury (Hg)</td>
<td></td>
<td>0.01</td>
<td>Not detected</td>
<td>mg/kg</td>
</tr>
</tbody>
</table>

**Notes:**

- LOD = Limit of Detection Unit
- *Tuned by an SGS Lab (Ref: 192271)