Chemoprevention in a Validated Rat Model of Oesophageal Adenocarcinoma
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7 APPENDIX

7.1 RAT DIETS

7.1.1 Semi-Synthetic and Experimental Rat Diets

<table>
<thead>
<tr>
<th>Ingredients</th>
<th>Semi-synthetic chow</th>
<th>Aspirin</th>
<th>Quercetin</th>
</tr>
</thead>
<tbody>
<tr>
<td>Vitamin mixture</td>
<td>20</td>
<td>20</td>
<td>20</td>
</tr>
<tr>
<td>Mineral mixture</td>
<td>40</td>
<td>40</td>
<td>40</td>
</tr>
<tr>
<td>DL-methionine</td>
<td>2</td>
<td>2</td>
<td>2</td>
</tr>
<tr>
<td>Cellulose</td>
<td>100</td>
<td>100</td>
<td>100</td>
</tr>
<tr>
<td>Casein</td>
<td>200</td>
<td>200</td>
<td>200</td>
</tr>
<tr>
<td>Starch</td>
<td>260</td>
<td>259.5</td>
<td>258.75</td>
</tr>
<tr>
<td>Sucrose</td>
<td>298</td>
<td>298</td>
<td>298</td>
</tr>
<tr>
<td>Corn oil</td>
<td>80</td>
<td>80</td>
<td>80</td>
</tr>
<tr>
<td>Drug</td>
<td>0.5</td>
<td>1.25</td>
<td></td>
</tr>
<tr>
<td>Total</td>
<td>1000</td>
<td>1000</td>
<td>1000</td>
</tr>
</tbody>
</table>
7.1.2 Components of the Mineral Mix

<table>
<thead>
<tr>
<th>Ingredients</th>
<th>g/Kg</th>
</tr>
</thead>
<tbody>
<tr>
<td>Calcium Hydrogen Orthophosphate (CaHPO₄)</td>
<td>322.8</td>
</tr>
<tr>
<td>Di-Sodium Hydrogen Orthophosphate (Na₂HPO₄)</td>
<td>185</td>
</tr>
<tr>
<td>Calcium Carbonate (CaCO₃)</td>
<td>205</td>
</tr>
<tr>
<td>Potassium Chloride (KCl)</td>
<td>175.5</td>
</tr>
<tr>
<td>Magnesium Sulphate (dried) (MgSO₄)</td>
<td>100</td>
</tr>
</tbody>
</table>

Trace Element Pre Mix (added to Mineral Mix)

<table>
<thead>
<tr>
<th>Ingredients</th>
<th>g/Kg</th>
</tr>
</thead>
<tbody>
<tr>
<td>Zinc Carbonate (ZnCO₃)</td>
<td>2.5</td>
</tr>
<tr>
<td>Ferrous Sulphate (FeSO₄)</td>
<td>3.6</td>
</tr>
<tr>
<td>Cupric Sulphate (CuSO₄)</td>
<td>0.575</td>
</tr>
<tr>
<td>Potassium Iodate (KIO₃)</td>
<td>0.025</td>
</tr>
<tr>
<td>Manganous Sulphate (MnSO₄)</td>
<td>4.5</td>
</tr>
</tbody>
</table>
### 7.1.3 Components of the Vitamin Mix

<table>
<thead>
<tr>
<th>Ingredients</th>
<th>g/Kg</th>
</tr>
</thead>
<tbody>
<tr>
<td>Nicotinic Acid</td>
<td>3</td>
</tr>
<tr>
<td>B12 in Mannitol</td>
<td>2.5</td>
</tr>
<tr>
<td>D-Pantothenic Acid</td>
<td>2</td>
</tr>
<tr>
<td>Thiamine Hydrochloride (B1)</td>
<td>0.5</td>
</tr>
<tr>
<td>Riboflavin (B2)</td>
<td>0.5</td>
</tr>
<tr>
<td>Pyridoxine</td>
<td>0.5</td>
</tr>
<tr>
<td>Folic Acid</td>
<td>0.5</td>
</tr>
<tr>
<td>D-Biotin</td>
<td>0.05</td>
</tr>
<tr>
<td>Vitamin K1</td>
<td>0.1</td>
</tr>
<tr>
<td>Rovi Mix E50</td>
<td>7.5</td>
</tr>
<tr>
<td>Rovi Mix A500</td>
<td>1.25</td>
</tr>
<tr>
<td>Rovi Mix D3500</td>
<td>0.75</td>
</tr>
<tr>
<td>Choline Bitartrate</td>
<td>90</td>
</tr>
<tr>
<td>Starch</td>
<td>890.85</td>
</tr>
</tbody>
</table>