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**CYTOCHROME C**
from a wide variety of sources

| No. | Type | Source | Description | Molecular Weight | Price
|-----|------|--------|-------------|------------------|------|
| C 7752 | VI | Horse heart | 95-100% based on Mol. Wt. 12,384 | Carbon Monoxide binding by the method of Tsou, and the polymer content by the method of Margoliash, indicate that this is a highly native preparation. | $60.00
| C 0886 | IX | Pig heart | 90-100% based on Mol. Wt. 12,384
| C 0761 | X | Chicken heart | 95-100% based on Mol. Wt. 12,222 | Prepared without use of TCA. | $60.00
| C 2011 | XI | Luna heart | 95-100% based on Mol. Wt. 12,170 | $60.00
| C 2136 | XII | Sheep heart | 95-100% based on Mol. Wt. 12,384 | $60.00
| C 4011 | XIII | Pigeon breast muscle | 90-100% based on Mol. Wt. 12,173 | $60.00

These five types are priced as follows:
- 5mg $11.00
- 25mg 36.00
- 100mg 100.00

Note: Approx. 10% of the Cytochrome C is in reduced form.

**CYTOCHROME C REDUCTASE (NADH Cytochrome C Reductase)**

Unit Definition: One unit will reduce 1.0 μmole of oxidized Cytochrome C per minute at pH 8.5 at 25°C. This is equivalent to a ΔOD560 of about 8 per minute in a 3 ml reaction mix (1 cm light path).

<table>
<thead>
<tr>
<th>No.</th>
<th>Type</th>
<th>Description</th>
<th>Activity</th>
<th>Price</th>
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</table>
| C 3381 | I | Crude, from pig heart | 0.1-0.3 unit/mg solid. | $3.00
| C 3381 | I | Crude, from pig heart | 7.40 | $49.75
| C 3381 | I | Crude, from pig heart | 15.00 | $49.75
| C 3381 | I | Crude, from pig heart | 27.50 | $49.75

We hope to offer soon: CYTOCHROME C from rabbit heart, pigeon heart, human heart, and Candida krusei.
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We also offer:

**No. M 6756 MICROPEROXIDASE** Sodium salt; from horse heart Cytochrome C by enzymatic degradation. Mol. Wt. approx. 2000.

The proposed structure of Microperoxidase is the heme-portion of the Cytochrome C molecule with amino acids 11 through 21 still attached and Mol. Wt. of 1,879 (free acid).

Has peroxidase activity. Of possible interest in cell permeability studies.

<table>
<thead>
<tr>
<th>Description</th>
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<th>Price</th>
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<tbody>
<tr>
<td>10 mg</td>
<td>49.50</td>
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</tr>
<tr>
<td>25 mg</td>
<td>97.00</td>
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<tr>
<td>50 mg</td>
<td>$182.00</td>
<td></td>
</tr>
<tr>
<td>100 mg</td>
<td>270.00</td>
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<tr>
<td>1 g</td>
<td>1500.00</td>
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Since their discovery in 1964 in the laboratories of the Pharmaceuticals Division of Imperial Chemical Industries Limited, the CYTOCHALASINS (Greek cytos, cell; chlorasis, relaxation) have become increasingly important as research probes in cytolgy. These CYTOCHALASINS, a group of structurally related fungal metabolites\(^{1}\) (CYTOCHALASIN A and B from \textit{Heimitthoporum dematioides}, CYTOCHALASIN E from \textit{Rosellinia necatrix}), share a number of unusual, interesting and characteristic biological effects, though varying greatly in potency in certain aspects. To date, CYTOCHALASIN B has been used in the vast majority of reported experiments.

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2. Reversible inhibition of cell movement.\(^{2,3}\)
3. Induction of nuclear extrusion.\(^{2,4}\)

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The CYTOCHALASINS also exert inhibitory effects on the following biological processes: phagocytosis;\(^{6,7,8}\) platelet aggregation and clot retraction;\(^{9,10,11,12}\) glucose transport;\(^{13,14,15}\) thyroid secretion\(^{16}\) and release of growth hormone.\(^{17,18}\)

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