**About the test**

*Cantonese Tone Identification Test* is a validated and standardized assessment tool for measuring tone perception ability of the Cantonese-speaking population. Normed scores from aged three to adults are provided. Reference scores on hearing impaired children with various degrees of hearing loss are also included. *Cantonese Tone Identification Test* could be applied to the whole range of population from children to adult for research, clinical and teaching purposes. Please refer to the attached leaflet for Features and Clinical Applications of the *Cantonese Tone Identification Test*.

**About the author**

Dr. Kathy LEE is the Associate Professor and Chief in the Division of Speech Therapy, Department of Otorhinolaryngology, Head & Neck Surgery at the Chinese University of Hong Kong. She is an experienced Speech-Language Pathologist who has worked extensively in designing the assessment and habilitation programs for various client groups. Dr. Lee’s research interests include child language development, Cantonese tones, test standardization and validation.

### INTERNATIONAL ORDER FORM

**The Cantonese Tone Identification Test**

**To:** Division of Speech Therapy, Department of Otorhinolaryngology, Head and Neck Surgery, Room 303, Academic Building No.2, The Chinese University of Hong Kong, Shatin, N.T., Hong Kong  
**Attn:** Ms. Rina To

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**Item** | **Price** | **Quantity** | **Sub-total**
--- | --- | --- | ---
Cantonese Tone Identification Test kit  
(Each kit includes a bilingual test manual, a picture book, scoring forms, a compact disc and a box of tone training cards) | HKD$3800/USD$488 |

**Postage – Destination available**

<table>
<thead>
<tr>
<th>Destination</th>
<th>Price</th>
</tr>
</thead>
<tbody>
<tr>
<td>Hong Kong</td>
<td>HKD$100</td>
</tr>
<tr>
<td>Australia/India/Vietnam</td>
<td>USD$35</td>
</tr>
<tr>
<td>Canada/New Zealand/USA</td>
<td>USD$40</td>
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<tr>
<td>Europe</td>
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<tr>
<td>Japan</td>
<td>USD$28</td>
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<tr>
<td>Taiwan</td>
<td>USD$22</td>
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<tr>
<td><strong>Total</strong></td>
<td></td>
</tr>
</tbody>
</table>

*Postage is exempted for self-pick-up buyers  
Delivery to destinations that do not appear in the table can be arranged upon request*

**Payment Method**

1. Attached is a bank draft in the amount of HK$ / US$_________ payable to  
‘The Chinese University of Hong Kong’.  
(Personal cheques are acceptable for Hong Kong residents only. Order is not refundable)

2. Please debit my credit card:  
Type: *Visa / Master (*delete as appropriate)  
Card Issuing Bank: ____________________________

   Name: ____________________________________________
   Card No.: _______________________________________
   Expiry Date: _______________ Amount: HKD/USD________
   Signature: ___________________________ Date: ___________

* For enquiries, please contact Ms. Rina To
Tel: (852) 3943 9609    Fax: (852) 3942 0969    Email: speechtherapy@ent.cuhk.edu.hk
The Cantonese Tone Identification Test

Highlight Features

- The only test that exhausts all the 15 tone combinations of the six Cantonese lexical tones
- Two versions of the test, CANTIT-30 and CANTIT-75, are available to cater for the needs of both clinicians and researchers
  - CANTIT-30 contains 30 items: an efficient tool for clinicians
  - CANTIT-75 contains 75 items: particularly informative for research purpose
- Provision of two equivalent forms under each version to enable repeating the test on takers even within the same session
- Computer programs with the following features are available:
  - Automatic randomization of item presentation order
  - Automatic randomization of the placement of the four pictures within each test plate
  - Each item is presented with calibrated voice recording
  - Animated cartoons with visual and sound effects acting as reinforcers to capture attention of children
  - Automatic storage of all responses including answers and response time
  - Three types of reports (brief report, clinical report and research report) readily available for printing in MS Excel file
  - Test could be administered by professionals with minimal proficiency in Cantonese
- Validated on 225 normal hearing participants (aged three to adults) and 141 hearing-impaired children (mild to profound hearing loss).
- Percentile ranks, z-scores, standard scores; as well as reference scores in terms of means and standard deviations under the hearing impaired sample are available.
- Satisfactory reliability measures include the Cronbach’s alphas and intra-class correlation.
- High content validity was evident by expert ratings.
- Construct-related validity is established based on an integration of evidence from 1) discriminant validity, 2) convergent/divergent validity, 3) inter-component correlational analysis, 4) factor analysis and, 5) Rasch analysis.

Clinical and educational applications

1. To assess the tone perception ability of test takers in relation to the normative sample and the hearing-impaired sample
2. To screen children with significant hearing impairment
3. To assess the functional benefit of hearing devices on tone perception
4. To set treatment objectives
5. To use the tone identification test as an objective outcome indicator
6. To evaluate and teach learners of Cantonese as a second language
香港粵語聲調辨識測驗

測驗特點

* 唯一套全面覆蓋粵語六聲中十五對粵語聲調對比的測驗。
* 備有 CANTIT-30 和 CANTIT-75 兩個版本，以滿足治療師及研究人員的需要。
  - CANTIT-30 共有 30 條測驗題：提供治療師一快速的評估工具
  - CANTIT-75 共有 75 條測驗題：提供詳細資料作研究用途
* 每個版本備有兩個難度相若的對應表格，即使在同一節評估中，亦可重覆使用測驗。
* 香港粵語聲調辨識測驗另備有電腦測試程式，特色如下：
  - 自動隨機安排所有測試題目次序
  - 自動隨機安排每條測試題目中四幅圍畫的位置
  - 以標準錄製的聲音播放每一題目
  - 可隨時插入有視聽效果的卡通動畫，吸引兒童注意
  - 自動儲存測試紀錄，包括鍵入的選項及所需時間
  - 自動備有三種報告（簡短報告、臨床報告及研究報告）於 MS Excel 檔案中可供打印
  - 即使未能熟練掌握粵語人士亦可使用
* 標準化樣本共包括 225 個聽力正常(三歲至成人)及 141 個聽障兒童(輕度至深度)。
* 提供的參考得分包括百分位數秩、Z-積分、CANTIT 標準分、聽障人士的樣本平均分和標準方差
* 信度鑑定包括 Cronbach’s’s alpha 及組內相關係數 (ICC)。
* 內容效度良好，從專家小組的評分得到印證。
* 綜合了五種方法，分別為 1) 判別效度，2) 收斂/分歧效度，3) 相關性係數，4) 因子分析法和 5) Rasch 分析法，以建立建構相關實證。

香港粵語聲調辨識測驗的臨床及教學應用

1. 評估受試者的聲調辨識能力，並可以健聽及聽障人士的得分樣本作為參考。
2. 作爲找出患有嚴重聽障人士的篩查工具。
3. 評估助聽設備對使用者的聲調辨識能力的效益。
4. 用以設定治療目標。
5. 用以作爲一個成效指標。
6. 用以評估及教導學習廣東話之人士。