The present invention provides a novel set of test strips for testing human sweat of a subject during and after exercise for various substances. A scale accompanying the strips correlates test results to the physiological state of the subject. The invention further provides methods of using the strips to assess the metabolic state of the subject, to recommend appropriate nutritional replenishment based on the test results, and to recommend modifications of continued activity to greater or lesser intensity and duration based on the test results and the subject's exercise goals.
INTERNATIONAL SEARCH REPORT

A. CLASSIFICATION OF SUBJECT MATTER

IPC(8) - A61B 5/00 (2014.01)
USPC - 600/346

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC(8) - A61B 5/00; G01N 21/78, 21/80 (2014.01)
USPC - 600/309, 346, 362

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

CPC - A61B 5/4266, 10/0064 (2013.01)

Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)

Orbit, Google Patents, Google Scholar, Google

C. DOCUMENTS CONSIDERED TO BE RELEVANT

<table>
<thead>
<tr>
<th>Category</th>
<th>Citation of document, with indication, where appropriate, of the relevant passages</th>
<th>Relevant to claim No.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Y</td>
<td>US 7,347,972 B1 (LEE) 25 March 2008 (25.03.2008) entire document</td>
<td>1, 2, 5, 6</td>
</tr>
<tr>
<td>Y</td>
<td>US 2004/0086576 A1 (CIANFARANI) 06 May 2004 (06.05.2004) entire document</td>
<td>1-12</td>
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<tr>
<td>Y</td>
<td>US 5,944,662 A (SCHOENDORFER) 31 August 1999 (31.08.1999) entire document</td>
<td>3, 4, 7, 8</td>
</tr>
<tr>
<td>Y</td>
<td>US 5,921,891 A (BROWNE) 13 July 1999 (13.07.1999) entire document</td>
<td>6, 8, 12</td>
</tr>
</tbody>
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Further documents are listed in the continuation of Box C.

* Special categories of cited documents:
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  "E" earlier application or patent but published on or after the international filing date
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  "O" document referring to an oral disclosure, use, exhibition or other means
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T later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention
X document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone
Y document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art
Z document member of the same patent family

Date of the actual completion of the international search
29 January 2014

Date of mailing of the international search report
05 MAR 2014

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PCT OSP: 571-272-3776

Form PCT/IS/A2 10 (second sheet) (July 2009)