Application
Measures the level and structure of the intelligence in accordance with the Cattell-Horn-Carroll (CHC) model, on the basis of five ability factors (fluid intelligence, crystallized intelligence, quantitative thinking, visual processing and long-term memory). The test provides a quick, global overview of the intelligence level. It is also an economic means of obtaining clarification on specific queries. It is used in staff & management assessments in various occupational fields and in manufacturing & safety assessments.

Task
Depending on the subtest, the respondent’s answers are given either in multiple-choice format or as automated free responses. In the individual subtests the items are sometimes presented adaptively in the form of a power test and sometimes in linear form with a time limit. The five ability factors are assessed by means of the following subtests:

- Fluid intelligence:
  - Numerical inductive reasoning: Identifying the rules on which a number sequence is based and continuing the sequence.
  - Figural inductive reasoning: The ninth field of a 3x3 matrix of symbols must be filled with one of eight possible symbols in accordance with the underlying rules.
  - Crystalized intelligence:
    - Word meaning: A synonym for a given word must be selected. The test uses a multiple-choice format.
    - Verbal fluency: An unordered series of letters must be turned into a meaningful noun.
  - Quantitative thinking:
    - Arithmetical competence: The respondent must perform a computational task in his/her head.
    - Arithmetical flexibility: A given equation must be solved by inserting the correct arithmetical operations.
  - Visual processing:
    - Spatial ability: The respondent states whether one of six comparison cubes represents a given test cube from a different perspective.

- Long-term memory:
  - Long-term memory: This subtest consists of a memorizing phase, an intermediate phase and an adaptive test phase; it involves remembering information about fictitious people.

Test forms
S1: Variable short form
S2: Fixed short form – screening

Analysis
The following main variables are scored, depending on the test form:

- General intelligence: Global assessment of intellectual capacity.
- Fluid intelligence: The ability to identify relationships between stimuli, understand implications and draw valid logical conclusions.
- Crystallized intelligence: Extent of vocabulary and the ability to retrieve information from memory for problem-solving purposes.
- Quantitative thinking: The ability to understand and apply mathematical skills and concepts for problem-solving purposes.
- Visual processing: Measure of the ability to picture objects in three-dimensional space and if necessary rotate them in one’s mind.

S1 also assesses:
- Long-term memory: Measure of the ability to retain information in the longer term, integrate it into one’s own knowledge base and recall it accurately.

Duration
Between 5 and 30 minutes per subtest.
For S2 (fixed sequence of subtests) the time required is approx. 55 minutes.

Valid age
Norms for ages 16+.

Special feature
Predominantly adaptive test presentation.
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