Application
Measures the color-word interference tendency, that is the impairment of the reading speed or color recognition due to interfering information.
This Stroop interference test is a sensomotor speed test that measures speed in reading words and naming colors. Afterwards it also measures speed under conditions of color/word interference. The ability to control cognitive interference is usually assessed by means of tasks involving at least two competing information-processing pathways. The task normally requires the respondent to use the less dominant information-processing pathway in the face of interference from the dominant pathway. This test measures both speed in reading words and naming colors and speed under conditions of color/word interference. This also yields information about the respondent’s information processing and attention processes. The test is therefore particularly useful in clinical neuropsychology, but it is also used in safety assessments and sports psychology.

Task
At the start of testing the respondent’s reaction speed and accuracy are established as a baseline. This involves presenting color words without coloring or simple color bars. In one test form (S8), the words are first presented in the appropriate color. They are then presented in various antagonistic colors. The respondent is required to react either to the font color or to the meaning of the color word, depending on the specific task. The respondent presses a color key on the response panel or touch screen as quickly as possible.

Test forms
S7: Color-word interference
S8: Congruent/incongruent
S10: Color-word interference (for touch screen)

Analysis
The following main variables are scored:
› Reading interference tendency: Indicator of interference tendency or change in performance as a result of the changed item material.
› Naming interference tendency: Indicator of interference tendency or change in performance as a result of the changed item material.

Duration
approx. 15 minutes

Valid age
Norms for ages 12+.

Special feature
Well-known neuropsychological test paradigm.

Report elements

| x Table | x Test protocol |
| x Profile | Item analysis protocol |
| x Working time | Progress chart |
| x Confidence interval | Special diagrammatic representation of results |
| Profile analysis | Personalized Word report |

Specifications
- adaptive
- modular
- language-free item material
- parallel test form
- conforms to the Rasch model
- additional device required
- high level of test security
- wide norm spectrum
- links to CogniPlus
- test form available for online presentation - open mode

Languages
- Arabic
- Bosnian
- Bulgarian
- Chinese (simplified)
- Chinese (traditional)
- Croatian
- Czech
- Danish
- Dutch
- English
- Estonian
- Farsi
- Finnish
- French
- German
- Greek
- Hindi
- Hungarian
- Icelandic
- Italian
- Japanese
- Polish
- Portuguese (Brazil)
- Portuguese
- Romanian
- Russian
- Serbian
- Slovak
- Slovene
- Spanish
- Swedish
- Turkish
- Urdu
- Vietnamese