

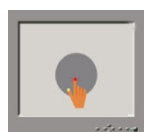
## Discovery Science Brain Resource IntegNeuro



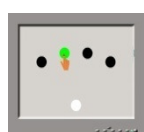
EASY TO ADMINISTER  
RAPID RESULTS  
COST-EFFECTIVE



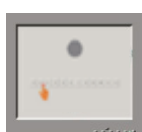
- ✓ Fully computerized battery of neuropsychological tests assessing cognitive performance
- ✓ Validated against traditional paper and pencil tests
- ✓ Automated administration of multiple parallel forms for repeat testing
- ✓ Tasks reflect an individualized Cognitive Performance Profile (including Sensory-motor, Memory, Attention, Verbal Fluency, Impulsivity, Executive Function and Emotion Processing. Further emotional cognition measures including mood, emotional intelligence and personality are available via the Web Questionnaires)
- ✓ Delivered on a robust IBM touchscreen with all task instructions delivered through headset and microphone. Tests can be administered offline making it possible to administer in more locations
- ✓ Requires no computer skills and can be used with young, elderly and impaired populations
- ✓ Upon completion of the tasks, participant data are transmitted via a secure website to the Brain Resource Central Analysis Facility for rapid and standardized scoring



Motor Tapping



Choice Reaction  
Time



Time  
Estimation



Word Generation



Digit Span



Memory  
Recognition



Spot the Real  
Word



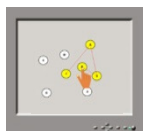
Span of Visual  
Memory



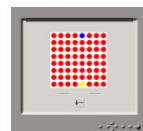
Continuous  
Performance Test



Verbal  
Interference



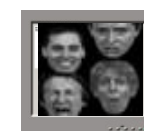
Switching of  
Attention



Executive Maze



Go/No-Go



Emotion  
Recognition



## Discovery Science Brain Resource IntegNeuro



EASY TO ADMINISTER  
RAPID RESULTS  
COST-EFFECTIVE

The touchscreen-based 'IntegNeuro' test battery was designed for reproducibility with efficiency.

✓ **IntegNeuro has been validated against traditional paper-and-pencil tests**

Paul RH, Lawrence J, Williams LM, Clark CR, Cooper N, Gordon, E (2005). Preliminary validity of 'IntegNeuro': A new computerized battery of neurocognitive tests. *International Journal of Neuroscience*, 115, 1549-1567.

✓ **Shows sound test-retest reliability**

Williams LM, Simms E, Clark CR, Paul RH, Rowe D, Gordon E (2005). The test-retest reliability of a standardized neurophysiological and neuropsychological test battery: 'NeuroMarker'. *International Journal of Neuroscience*, 15, 1605-1630.

✓ **Cross-cultural consistency**

Paul et al (2007) Cross-cultural assessment of neuropsychological performance and electrical brain function measures: additional validation of an international brain database *International Journal of Neuroscience*, 117(4, :549-68.

✓ **Standardization norms established in 1,000 healthy subjects (these data are part of the Brain Resource International Database (BRID)).**

Clark CR, Paul RH, Williams LM, Arns M, Fallahpour K, Handmer C, Gordon E (2006). Standardized assessment of cognitive functioning during development and aging using an automated touchscreen battery. *Arch Clin Neuropsychol*, 21, 449-467.

.... solutions for brain research

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