Computerized Neurocognitive Assessment

Cantab Connect Research

Expert cognitive research made easier

Accurately measure key cognitive domains

Cantab Connect Research enables non-experts in cognition to conduct world-leading science. The six Cantab tests enable the efficient measurement of the key cognitive processes of information input into the brain (attention, processing speed), information representation in the brain (memory), and the use of stored information to guide behaviour (executive function).

Simple, scalable touchscreen testing

Cantab Connect Research makes cognitive assessment easy as the intuitive control centre provides one simple application for managing participants, data and studies.

Instant data capture and access

Cantab Connect Research is delivered on an iPad using a private and secure cloud platform. Data from multiple iPad testing devices is automatically synchronised and continuously backed up, so that study data can be accessed in real time anywhere in the world.

Data security

The continuity of studies is never in doubt thanks to automatic data encryption and secure continuous backup in a private study cloud.

Cantab Research Suite

The gold standard cognitive assessment system

For expert cognitive scientists

Cantab Research Suite offers sensitive and reliable measurement of brain function across all cognitive domains on a touchscreen Windows tablet. The system is flexible and comprehensive, enabling the test panel to be tailored to specific research questions.
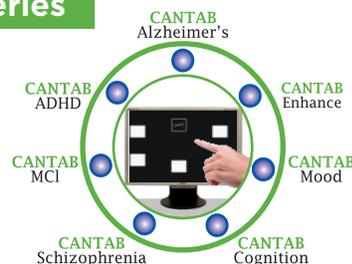
Flexible and customisable

Cantab Research Suite contains 24 language-independent tasks that can be combined to meet study requirements. The intelligent study configuration tool enables you to configure the design of studies to your exact research requirements.

The data management feature automatically calculates results, recommends outcome measures and consolidates data to further improve the accuracy of your research.

Test Batteries

	Cantab Connect Research	Cantab Research Suite
Suitable for	Researchers who require a brief test panel that measures the key cognitive domains in order to monitor the efficacy or safety of a treatment or intervention, or to profile a patient population.	Researchers who want to look at a diverse range of cognitive domains and require the freedom to choose the tests they want.
Application	Studies assessing key cognitive domains; Alzheimer's Disease research	All studies in which cognition is a factor.
Number of cognitive tests	6	24
Task Variants	Standard (suitable for adults and patients) Difficult (suitable for young healthy volunteers)	Multiple task variants are available for each test
Measures	• Processing speed • Psychomotor speed • Sustained attention • Visual episodic memory • Working memory • Executive function	All cognitive domains
Testing device	iPad Air	Windows tablet
Age ranges	18 and over	All
Languages	English only (additional languages to be introduced in 2015)	Tests are language-independent, with translated scripts available
Administration	Standardised using automatic voiceover instructions	Standardised using a script