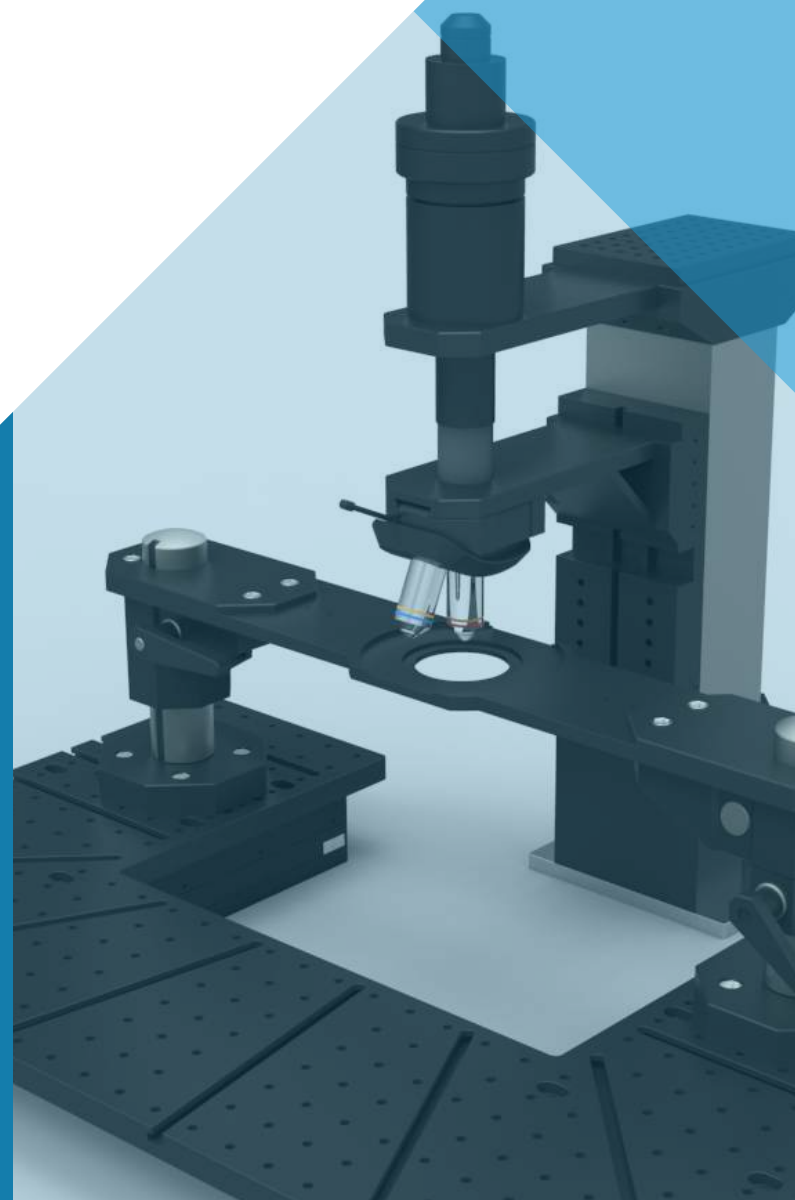




CleverStage Wireless MicroManipulator



Super Stable Sample Bridge for In Vivo and In Vitro Configuration

The MCI CleverStage uses a bridge design for holding experimental objects such as brain slices, cultured cells or even a whole animal. It can be easily configured between In Vivo and In Vitro features by replacing the sample plate. The two pillar bridge design offers high stability and can be easily adjusted. □

Besides these innovations, the CleverStage inherited some very useful features from older brands:

▲ Point of Interest Memory

The CleverStage can memorise multiple points of interest so the users can always come back to the previous recording site when necessary. Our wise control system will enable the user to easily do this. ■

Specification	Description
Resolution/Smoothness	15nm
Travel	50mm
Maximum speed	1.5mm/s (TBC)
Stability	Drift Less than 0.5µm/hr
Drive mechanism	Stepper motors
Dimension	A dimensional drawing is provided at end of brochure
Dimension	TBC
Display Size on Cuboid	3" LCD Screen
Battery capacity, Cuboid	2000mAh
Carrying capacity	30kg
Electrical Noise	Less than 1pA

Contact us today for more information at info@mcieurope.com

The MCI CleverStage In Vivo/In Vitro Compatible Sample Stage The next generation in sample stage technology.

The best stage options designed for the electrophysiologist display some features that any experienced experimenter would expect from a leading brand. At MCI, we therefore built these essential elements into the genetic material of the CleverStage:

▲ Stability

We conduct an individual drift-test on every stage before it gets shipped to your laboratory. You'll get your stage delivered with a birth-certificate – a short video showing an electrode mounted onto your stage over a 2-hour period under a 40x objective. An MCI stage won't leave the factory without passing a stability test of less than 500nm movement over an hour, using a real pipette holder and headstage used in a typical laboratory environment.

▲ Low Noise Levels

Our stepper motor technology is optimally shielded to prevent electrical noise. We also added a new level of innovation to further reduce potential sources of electrical noise (see section on "Commitment to Innovation"), which means you can confidently use the CleverStage for recording from single ion channels.

▲ Smooth movement

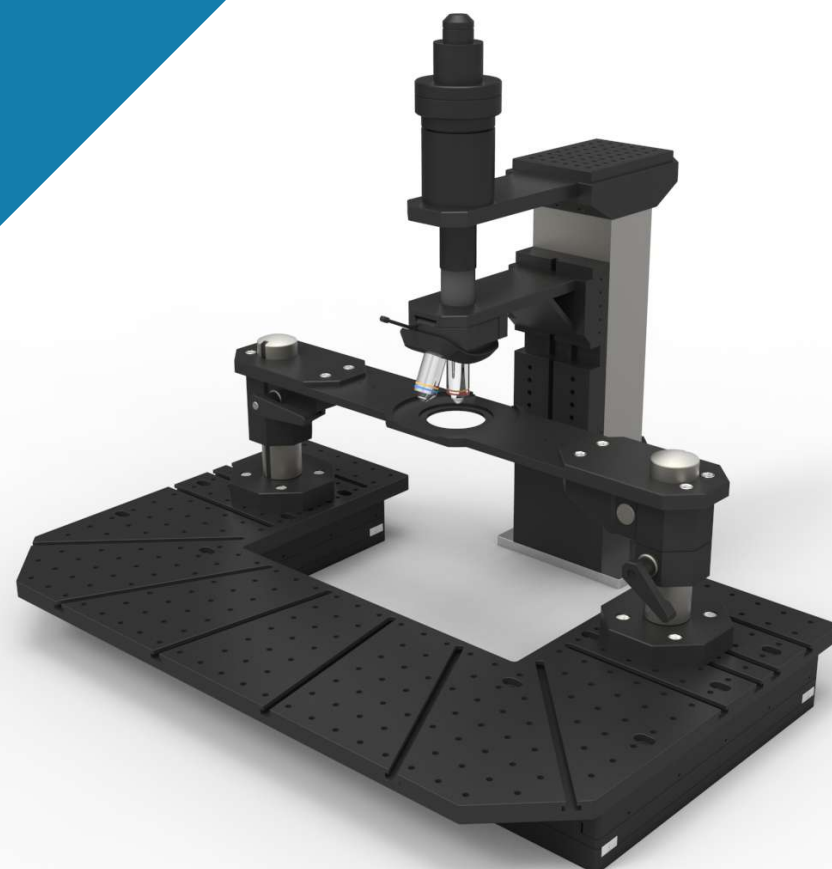
The CleverStage's resolution of 20nm means you will be able to patch onto the smallest structures.

▲ Easy and intuitive navigation

The CleverControl Cuboid interface features highly responsive control wheels for the three axes (and the virtual diagonal axis), allowing you to comfortably navigate to your target cell. The menu options on the CleverControl Cuboid enable you to customise your stage's features so that you can easily get used to controlling your new stage.

▲ Reliability

The CleverStage has robust stepper motors at its core – we can therefore confidently offer a 3-year warranty on our stages. □



CleverStage

So, this is what everyone would expect from a good sample stage - What would make a sample stage great?

Commitment to Innovation

MCI have gone wireless... The CleverStage has only one single, flexible cable supplying power to the stepper motors. Fewer cables make cable management so much easier around your setup - no more issues with cables putting stress on the stage body, potentially causing drift. Fewer cables also reduce the chances of electrical noise being generated by a cable acting as an antenna.

The CleverControl Cuboid interface and CleverControl Software embody MCI's global and diverse approach by having displays available in the 10 most-spoken languages¹. We also know that 1 out of 10 scientists are left-handed...reconfiguring the CleverControl Cuboid from right-handed to left-handed configuration takes only 8 seconds (see online video for demonstration), which means the left-handed user won't feel left out when sharing a rig. The CleverControl Cuboid can control up to 8 devices from a single interface, which offers more upgrade options for future expansions.

CleverControl Software offers a software interface with similar customization features to the CleverControl Cuboid. In addition, you can calibrate the "Stalker" function (when you

are using a MCI motorised stage in combination with the CleverStage) and use the flexible memory position library.

With MCI's focus on innovation, you can rest assured that a lifetime of free updates on CleverControl Software will keep your stage up to date with the latest developments.

CleverControl Cuboid and CleverControl Software offer user logins to instantly reset settings. This feature may be very valuable on shared rigs or where work is being done on several different samples.

We don't think beyond what's currently available only from a technical perspective: For extra peace of mind, we include a 48-hour demo replacement service² during the warranty period. This shows how confident we are in the superior reliability and build quality of the CleverStage. □

1. English, Chinese, German, French, Japanese, Spanish, Arabic, Russian, Hindi, Afrikaans.

2. This means we'll send a stage via Express Service from our demo stock if your stage is malfunctioning. We'll pay for you to ship your stage back to us, if we can't service it in

