Long-term Functional Viability of Human Bronchial biopsies preserved and perfused with AQIX® RS-I Solution
Experimental Protocol:

- 10 sec trains of EFS every 2 minutes
- Tissues stretched to approx stable tension of 15 mN
- 1 msec pulse width
- EFS continued for up to 12 hours

*L-NAME, indomethacin, MK476 and propranolol present in organ bath.*

- Conduction block upon adding TTX
Electrical field stimulation contractile responses can be maintained over a 12-hour period with no reduction in contractile magnitude, so enabling duration of drug action studies to be conducted.
Approx 40 min period during 2nd hour of stimulation
Approx 40 min period during 12th hour of stimulation