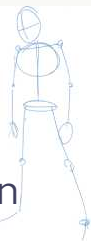


Long-term Functional Viability of Human Bronchial biopsies preserved and perfused with AQIX[®] RS-I Solution



Proof of Concept in Man

Proof of Concept in Man



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

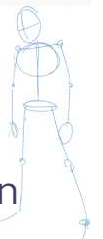
- L-NAME, indomethacin, MK476 and propranolol present in organ bath.

- **Conduction block upon adding TTX**



Proof of Concept in Man

Proof of Concept in Man

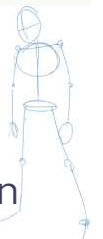


Electrical field stimulation contractile responses can be maintained over a 12-hour period with no reduction in contractile magnitude, so enabling duration of drug action studies to be conducted.

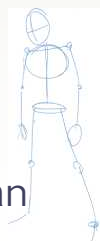
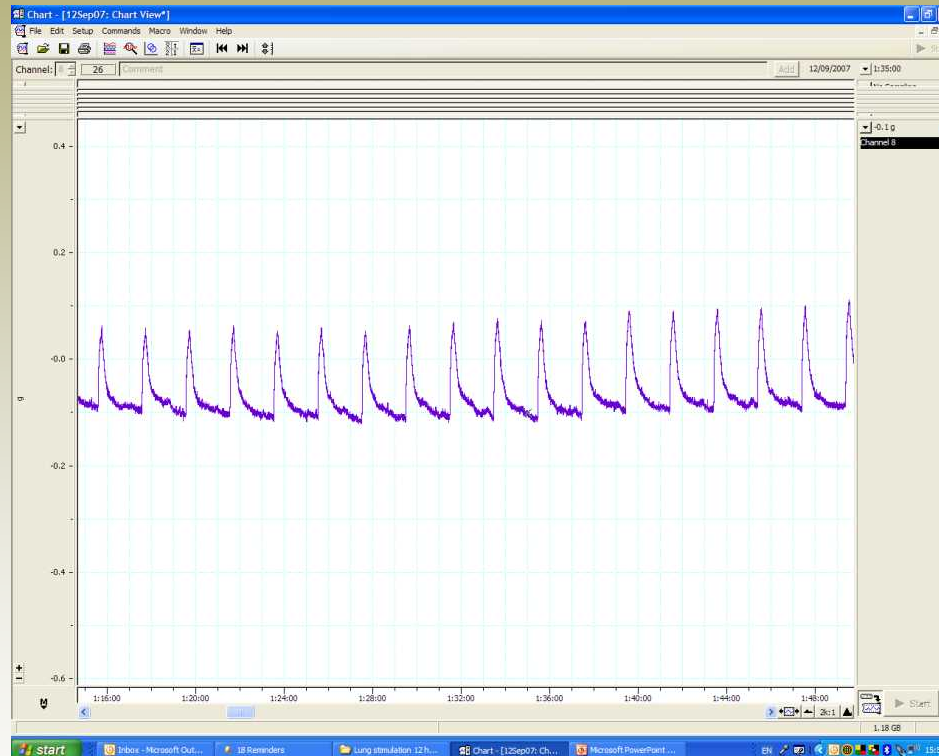


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Approx 40 min period during 2nd hour of stimulation



Approx 40 min period during 12th hour of stimulation

