

Appendix 3Y

Change of Director's Interest Notice

Information or documents not available now must be given to ASX as soon as available. Information and documents given to ASX become ASX's property and may be made public.

Introduced 30/9/2001.

Name of entity	TISSUE THERAPIES LIMITED
ABN	45 101 955 088

We (the entity) give ASX the following information under listing rule 3.19A.2 and as agent for the director for the purposes of section 205G of the Corporations Act.

Name of Director	Roger Brian Clarke
Date of last notice	5 March 2009

Part 1 - Change of director's relevant interests in securities

In the case of a trust, this includes interests in the trust made available by the responsible entity of the trust

Note: In the case of a company, interests which come within paragraph (i) of the definition of "notifiable interest of a director" should be disclosed in this part.

Direct or indirect interest	Indirect
Nature of indirect interest (including registered holder) Note: Provide details of the circumstances giving rise to the relevant interest.	Roger B Clarke family account and Kelwick Pty Limited
Date of change	11 December 2009
No. of securities held prior to change	6,785,000
Class	Ordinary Shares
Number acquired	365,000
Number disposed	
Value/Consideration Note: If consideration is non-cash, provide details and estimated valuation	\$53,750
No. of securities held after change	7,150,000 Note- Options issued over 2,950,000 of these shares to QUT research staff at an exercise price of 12c expiring on 11 February 2010

+ See chapter 19 for defined terms.

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Nature of change Example: on-market trade, off-market trade, exercise of options, issue of securities under dividend reinvestment plan, participation in buy-back	Participation in Share Placement
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Part 2 – Change of director's interests in contracts

Note: In the case of a company, interests which come within paragraph (ii) of the definition of "notifiable interest of a director" should be disclosed in this part.

Detail of contract	NIL
Nature of interest	
Name of registered holder (if issued securities)	
Date of change	
No. and class of securities to which interest related prior to change Note: Details are only required for a contract in relation to which the interest has changed	
Interest acquired	
Interest disposed	
Value/Consideration Note: If consideration is non-cash, provide details and an estimated valuation	
Interest after change	

+ See chapter 19 for defined terms.