

Tissue Microarray - Human Right Heart Tissue Myocardial Hypertrophy II (tissue matched to 401 4102, left heart)

Cat.-No.: 401 4103 Sample Datasheet

Slide Label				
	a	b	c	d
1	●	●	●	●
2	●	●	●	●
3	●	●	●	●
4	●	●	●	●
5	●	●		
6	●	●		
7	●	●		

Technical Information: 22 spots

- Spot diameter: 2.0 mm
- Fixation in 4% neutral buffered formaldehyde solution
- Paraffin embedded

Tissue type validated by immunohistochemistry

* Hypertrophy was determined by heart weight analysis and histologic grading (nucleus size and filament gauge). Detailed data are available on request.

In vitro laboratory use only.

Not intended for any human or animal diagnostic or therapeutic use.

Position	Localisation	Heart disease	ventricle wall thickness in mm	Hypertrophy diagnostic by heart weight *	Sex	Age
1a	right ventricle	multiple metachronous myocardial infarctions, abacterial endocarditis of mitral valve	14 left	normal	f	52
1b	right ventricle	Fibrosis and lipomatosis of the left ventricle	20 left/ 5 right	hypertroph	m	62
1c	right ventricle	Myocardial infarctions, dilatation of both ventricles, coronary heart disease, arrhythmia, 4 fold bypass	18 left/ 7 right	hypertroph	m	80
1d	right ventricle	Endocarditis, mechanical mitral valve, decompensated restrictive cardiomyopathy	15 left	hypertroph	m	62
2a	right ventricle	Dilatation of left ventricle, calcification of the base of mitral valve	16 left/ 7 right	normal	m	62
2b	right ventricle	Dilatation of left ventricle with rounded apex cordis	15 left	normal	m	54
2c	right ventricle		20 left	normal	m	76
2d	right ventricle	cardiogenic shock, aortal valve replacement, 3 fold coronary bypass, myocardial infarction (ventral left ventricle)	20 left/ 5 right	hypertroph	m	62
3a	right ventricle	Hypertensive heart disease	17 left	normal	m	62
3b	right ventricle	decompensated chronic ischemic heart disease, Dilatation of left atrium, left and right ventricles, Mitral valve insufficiency	16 left/ 6 right	hypertroph	m	70
3c	right ventricle		12 left/ 4 right	normal	f	65
3d	right ventricle	Dilatation and lipomatous transformation of left ventricle, calcification of mitral and aortic valves	18 left	normal	f	76
4a	right ventricle	Dilatation of left and right ventricles	16 left	hypertroph	f	53
4b	right ventricle	chronic ischemic heart disease, infarction of ventral left ventricle, Dilatation of both ventricles	16 left/ 5 right	normal	f	93
4c	right ventricle		15 left/ 4 right	normal	m	43
4d	right ventricle	Cardiac failure, Ischemia, myocardial infarction of posterior left ventricle, Dilatation of both ventricles, tricuspid valve insufficiency	14 left/ 4 right	normal	m	64

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Position	Localisation	Heart disease	ventricle wall thickness in mm	Hypertrophy diagnostic by heart weight *	Sex	Age
5a	right ventricle	myocardial sclerosis and dilatation of left ventricle	16 left/ 4-5 right	normal	m	63
5b	right ventricle	chronic Cor pulmonale, myocardial sclerosis of left ventricle, Dilatation of right ventricle	16 left/ 7 right	hypertroph	m	68
6a	right ventricle	Dilatation of both ventricles	14 left/ 6 right	normal	m	66
6b	right ventricle	hypertensive heart disease, myocardial infarction of left posterior ventricle, lipomatosis of left ventricle, Dilatation of right ventricle	20 left/ 6 right	hypertroph	m	84
7a	right ventricle	Myocardial infarction with acute reinfarction of left ventricle (anterior, posterior and septum) Dilatation of both ventricles	20 left/ 6 right	hypertroph	m	72
7b	right ventricle	ulceropolypous aortic valve endocarditis with valve perforation and rupture	14 left/ 4 right	normal	m	38

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