provitro AG
Charité Campus Mitte
Charitéplatz 1
10117 Berlin
tel +49.30.450 578 358
fax +49.30.5858 4985
sales@provitro.de
www.provitro.de

Tissue Microarray - Human Left Heart Tissue
Myocardial Hypertrophy I

Cat.-No.: 401 4102 Sample Datasheet

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

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.

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

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Position	Localisation	Heart disease	left ventricle wall thickness in mm	Hypertrophy diagnostic by heart weight *	Hypertrophy histologic grading* nucleus size	Hypertrophy histologic grading* fibre thickness	Sex	Age
4a	left ventricle	Dilatation of left and right ventricles	16	hypertroph	2 3	1 2	f	53
4b	left ventricle	chronic ischemic heart disease, infarction of ventral left ventricle, Dilatation of both ventricles	16	normal	2 3 1	1 2	f	93
4c	left ventricle		15	normal	2 1 3	2 1 3	m	43
4d	left ventricle	Cardiac failure, Ischemia, myocardial infarction of posterior left ventricle, Dilatation of both ventricles, tricuspid valve insufficiency	14	normal	2 3 1	2 3 1	m	64
5a	left ventricle	myocardial sclerosis and dilatation of left ventricle	16	normal	2 1 3	2 1 3	m	63
5b	septal	chronic Cor pulmonale, myocardial sclerosis of left ventricle, Dilatation of right ventricle	16	hypertroph	2 1 3	2 1	m	68
5c	septal	Dilatation of both ventricles	14	normal	2 3 1	1 2	m	66
6a	left ventricle	hypertensive heart disease, myocardial infarction of left posterior ventricle, lipomatosis of left ventricle, Dilatation of right ventricle	20	hypertroph	2 3 1	3 2 1	m	84
6b	left ventricle	Myocardial infarction with acute reinfarction of left ventricle (anterior, posterior and septum) Dilatation of both ventricles	20	hypertroph	2 3	2 3 1	m	72
6c	left ventricle	ulceropolypous aortic valve endocarditis with valve perforation and rupture	14	normal	2 1	3 2 4	m	38

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