

## Supplementary Material to “Fibrin biopolymer as scaffold candidate to treat bone defects in rats”

**Additional file 3.** Results of stereological analysis.

<b>30 DAYS</b>						
<b>Group-Animal</b>	<b>FB</b>	<b>BL</b>	<b>RL</b>	<b>CT</b>	<b>BW</b>	<b>rel. tot.</b>
<b>G1-1</b>	63.0%	0.0%	0.0%	0.0%	37.0%	100%
<b>G1-2</b>	51.0%	0.0%	0.0%	0.0%	49.0%	100%
<b>G1-3</b>	52.8%	0.0%	0.0%	0.0%	47.2%	100%
<b>G1-4</b>	59.4%	0.0%	0.0%	0.0%	40.6%	100%
<b>MEAN</b>	<b>56.5%</b>	<b>0.0%</b>	<b>0.0%</b>	<b>0.0%</b>	<b>43.5%</b>	<b>100%</b>
<b>G2-1</b>	39.7%	52.9%	0.0%	0.0%	7.4%	100%
<b>G2-2</b>	32.0%	32.8%	1.6%	0.0%	33.6%	100%
<b>G2-3</b>	42.7%	31.3%	6.1%	0.0%	19.8%	100%
<b>G2-4</b>	40.7%	33.0%	5.9%	0.0%	20.3%	100%
<b>MEAN</b>	<b>38.8%</b>	<b>37.5%</b>	<b>3.4%</b>	<b>0.0%</b>	<b>20.3%</b>	<b>100%</b>
<b>G3-1</b>	22.0%	27.2%	14.4%	33.3%	3.0%	100%
<b>G3-2</b>	32.6%	20.4%	2.3%	34.1%	10.6%	100%
<b>G3-3</b>	26.5%	21.6%	8.1%	36.3%	7.1%	100%
<b>G3-4</b>	32.6%	24.2%	3.8%	28.8%	10.6%	100%
<b>MEAN</b>	<b>28.4%</b>	<b>23.4%</b>	<b>7.1%</b>	<b>33.1%</b>	<b>7.8%</b>	<b>100%</b>
<b>G4-1</b>	67.0%	0.0%	0.0%	0.0%	33.0%	100%
<b>G4-2</b>	66.9%	0.0%	0.0%	0.0%	33.1%	100%
<b>G4-3</b>	68.3%	0.0%	0.0%	0.0%	31.7%	100%
<b>G4-4</b>	59.1%	0.0%	0.0%	0.0%	40.9%	100%
<b>MEAN</b>	<b>65.3%</b>	<b>0.0%</b>	<b>0.0%</b>	<b>0.0%</b>	<b>34.7%</b>	<b>100%</b>
<b>G5-1</b>	19.8%	28.1%	30.2%	21.8%	0.0%	100%
<b>G5-2</b>	36.1%	29.2%	15.5%	13.7%	5.6%	100%
<b>G5-3</b>	54.3%	21.7%	20.2%	3.8%	0.0%	100%
<b>G5-4</b>	48.9%	26.0%	14.5%	6.9%	3.8%	100%
<b>MEAN</b>	<b>39.8%</b>	<b>26.2%</b>	<b>20.1%</b>	<b>11.5%</b>	<b>2.3%</b>	<b>100%</b>

**FB:** newly formed bone. **BL:** calcium phosphate biomaterial. **RL:** resorption lacunae.  
**CT:** cellular connective tissue. **BW:** bone marrow. **Rel. tot:** relative total.

60 DAYS						
Group-Animal	FB	BL	RL	CT	BW	rel. tot.
G1-1	68%	0%	0%	0%	32%	100%
G1-2	42.0%	0.0%	0.0%	0.0%	58.0%	100%
G1-3	57.0%	0.0%	0.0%	0.0%	43.0%	100%
G1-4	63.7%	0.0%	0.0%	0.0%	36.3%	100%
<b>MEAN</b>	<b>57.6%</b>	<b>0.0%</b>	<b>0.0%</b>	<b>0.0%</b>	<b>42.4%</b>	<b>100%</b>
G2-1	52.0%	16.7%	21.3%	0.0%	10.0%	100%
G2-2	48.6%	36.4%	7.9%	0.0%	7.1%	100%
G2-3	27.3%	42.4%	9.8%	0.0%	20.5%	100%
G2-4	53.8%	22.7%	12.9%	0.0%	10.6%	100%
<b>MEAN</b>	<b>45.4%</b>	<b>29.6%</b>	<b>13.0%</b>	<b>0.0%</b>	<b>12.0%</b>	<b>100%</b>
G3-1	56.8%	16.4%	12.4%	4.0%	10.4%	100%
G3-2	47.6%	19.0%	25.5%	2.0%	5.9%	100%
G3-3	45.1%	26.6%	21.3%	0.0%	6.9%	100%
G3-4	44.1%	27.7%	18.4%	2.0%	7.8%	100%
<b>MEAN</b>	<b>48.4%</b>	<b>22.4%</b>	<b>19.4%</b>	<b>2.0%</b>	<b>7.8%</b>	<b>100%</b>
G4-1	71.4%	0.0%	0.0%	0.0%	28.6%	100%
G4-2	78.1%	0.0%	0.0%	0.0%	21.9%	100%
G4-3	75.5%	0.0%	0.0%	0.0%	24.5%	100%
G4-4	75.0%	0.0%	0.0%	0.0%	25.0%	100%
<b>MEAN</b>	<b>75.0%</b>	<b>0.0%</b>	<b>0.0%</b>	<b>0.0%</b>	<b>25.0%</b>	<b>100%</b>
G5-1	50.4%	32.2%	16.0%	0.0%	1.4%	100%
G5-2	63.5%	22.8%	12.8%	0.0%	0.8%	100%
G5-3	53.0%	31.3%	11.1%	0.0%	4.5%	100%
G5-4	66.6%	18.4%	15.1%	0.0%	0.0%	100%
<b>MEAN</b>	<b>58.4%</b>	<b>26.2%</b>	<b>13.7%</b>	<b>0.0%</b>	<b>1.7%</b>	<b>100%</b>

FB: newly formed bone. BL: calcium phosphate biomaterial. RL: resorption lacunae.  
 CT: cellular connective tissue. BW: bone marrow. Rel. tot: relative total.