

## Erratum

---

# Immunological evaluation of polystyrene and poly(ether imide) cell culture inserts with different roughness

Toralf Roch, Anne Krüger, Karl Kratz, Nan Ma, Friedrich Jung and Andreas Lendlein\*  
*Center for Biomaterial Development and Berlin-Brandenburg Centre for Regenerative Therapies,  
Institute of Polymer Research, Helmholtz-Zentrum Geesthacht, Teltow, Germany*

[Clinical Hemorheology and Microcirculation **52**(2-4) (2012), 375–389]  
DOI: DOI 10.3233/CH-2012-1612

The three values listed for the roughness data of the polystyrene inserts in Table 2 are data determined for 96-well-plate inserts. In the following revised Table 2 these data were replaced by the values determined for the roughness of the 24-well-plate polystyrene inserts, which was the insert type investigated in this study. Although the decimal places of the values determined for the PS samples slightly changed, the overall findings of the manuscript were not affected.

Table 2  
Roughness, contact angle, elasticity and endotoxin levels of PEI and PS inserts

Sample ID*	Roughness ( $R_q$ in $\mu\text{m}$ )	Advancing CA ( $\theta_{\text{adv}}$ in $^\circ$ )	Young's modulus ( $E_{\text{AFM}}$ in GPa)	Endotoxin (EU/ml) <sup>#</sup>
PEI-R0	$0.23 \pm 0.07$	$92.8 \pm 2.6$	$12.5 \pm 0.7$	$0.062 \pm 0.0087$
PEI-RI	$3.92 \pm 0.20$	$98.7 \pm 5.1$	$20 \pm 13$	$0.063 \pm 0.0086$
PEI-RII	$22.65 \pm 0.80$	$94.2 \pm 1.6$	$39 \pm 58$	$0.062 \pm 0.0084$
PS-R0	<b><math>0.29 \pm 0.07</math></b>	$98.9 \pm 5.0$	$16 \pm 4$	$0.064 \pm 0.0103$
PS-RI	<b><math>3.47 \pm 0.28</math></b>	$108.8 \pm 6.2$	$24 \pm 1$	$0.061 \pm 0.0080$
PS-RII	<b><math>22.16 \pm 0.64</math></b>	$108.6 \pm 4.0$	$29 \pm 14$	$0.062 \pm 0.0091$

<sup>#</sup>The determination was performed on supernatants produced according to EN ISO 10993-12. \*PS and PEI stand for polystyrene and poly(ether imide), respectively. R0 represents the smoothest surface; RI a surface with intermediate roughness; RII indicates the roughest material surface.

Corresponding changes in the manuscript text:

Abstract, line 7 and 8:

i)  $R_q = \mathbf{0.29 \mu m}$  (PS) and  $0.23 \mu m$  (PEI); ii)  $R_q = \mathbf{3.47 \mu m}$  (PS) and  $3.92 \mu m$  (PEI); and iii)  $R_q = \mathbf{22.16 \mu m}$  (PS) and  $22.65 \mu m$  (PEI)

Section 3.1 line 4 to 8:

Current text:

Here the R0 inserts of both materials have an almost plane surface with  $R_{q,PS} = 0.12 \pm 0.04 \mu m$  ( $R_{q,PEI} = 0.23 \pm 0.07 \mu m$ ). While for RI an almost similar surface roughness in the range from  $3.52 \pm 0.26 \mu m$  to  $3.92 \pm 0.20 \mu m$  were obtained, a slightly higher surface roughness was found for RII PEI inserts with  $R_{q,PEI} = 22.65 \pm 0.80 \mu m$  compared to the PS inserts ( $R_{q,PS} = 16.04 \pm 1.24 \mu m$ ), which can be attributed to the different processing conditions of both polymers.

Revised text:

Here the R0 inserts of both materials have an almost plane surface with  $R_{q,PS} = \mathbf{0.29 \pm 0.07 \mu m}$  ( $R_{q,PEI} = 0.23 \pm 0.07 \mu m$ ). **For RI and RII an almost similar surface roughness in the range from  $R_{q,PS} = 3.47 \pm 0.28 \mu m$  to  $R_{q,PEI} = 3.92 \pm 0.20 \mu m$  and  $R_{q,PS} = 22.16 \pm 0.64$  to  $R_{q,PEI} = 22.65 \pm 0.80$  were obtained.**