

Prostate Histopathology: Quantitative or Immunostaining

References	Animals	Routes	Weight	Histopathological Changes
		Prenatal		
Ramos et al., 2001	Wistar rats	s.c. implants	ND	Δ AR and stromal cell dev. 25 µg/kg.
Ramos et al., 2003	Wistar rats	s.c. implants	No effect	Δ Stromal cell dev. 25 µg/kg.
Timms et al., 2005	CF-1 mice	Oral instillation	ND	↑ epithelial cell proliferation. 20 µg/kg-d.
		Neonatal		
Ho et al., 2006	SD rats	s.c. injection	No effect	↑ neoplastic lesion; epigenetic. 10 µg/kg-d
		Adult		
Ogura et al., 2007	Balb mice	s.c. implants	No effect	Δ epithelial differentiation. 100 mg/kg.

PBPK Issue: oral vs. subcutaneous

- Relevant doses used in the PK studies: findings with high doses ≠ findings with low doses.
- Placenta Transfer: no low-dose study identified.
- Age of testing animals:
 - No difference in PK between oral and s.c. exposure in neonates (Taylor et al., 2008).
 - No data identified on organ- or cell-level, bioactive (free) BPA in neonates.

