

Supplemental Table S1. Parametric reference intervals (95%) for total –and monomeric prolactin (mIU/L) in serum samples from females and males for each immunoassay platform indicated.

Method	2.5% lower percentile (mIU/L)	97.5% upper percentile (mIU/L)	Manufacturer reported RI (mIU/L)	Mean post-PEG recovery (%)
Total prolactin				
<i>Females (n=96)</i>				
Architect	4.0 (3.6–4.5)	19.5 (17.4–21.8)	5.2–26.5	N/A
AutoDelfia	2.4 (2.1–2.7)	14.0 (12.4–15.9)	3.1–16.4	N/A
Cobas	4.2 (3.7–4.7)	19.7 (17.6–22.1)	4.8–23.4	N/A
Dimension Vista ^b	3.3 (2.9–3.7)	17.1 (15.2–19.3)	2.2–30.3	N/A
Immulite	3.0 (2.6–3.4)	17.3 (15.2–19.6)	1.9–25.0	N/A
Kryptor	3.4 (3.0–3.7)	14.0 (12.6–15.5)	3.8–20.7 ^a	N/A
<i>Males (n=127)</i>				
Architect	3.4 (3.0–3.7)	16.5 (15.0–18.2)	3.5–19.4	N/A
AutoDelfia	2.0 (1.8–2.2)	11.1 (9.9–12.3)	2.0–13.2	N/A
Cobas	3.4 (3.1–3.8)	17.5 (15.8–19.4)	4.1–15.3	N/A
Dimension Vista	2.7 (2.4–3.0)	14.7 (13.2–16.3)	2.5–17.4	N/A
Immulite	2.6 (2.4–2.9)	15.0 (13.4–16.7)	2.5–17.0	N/A
Kryptor	2.8 (2.6–3.1)	13.9 (12.6–15.3)	2.8–12.1 ^a	N/A
Post-PEG (monomeric) prolactin				
<i>Females (n=96)</i>				
Architect	2.8 (2.5–3.0)	10.7 (9.7–11.8)	ND	63 (21–81)
AutoDelfia	1.7 (1.5–1.9)	7.1 (6.4–7.8)	ND	61 (15–87)
Cobas	2.7 (2.3–3.3)	12.1 (10.5–14.0)	ND	64 (38–84)
Dimension Vista ^b	2.3 (2.0–2.5)	9.9 (8.9–11.0)	ND	64 (26–80)
Immulite	3.3 (3.0–3.7)	12.4 (11.3–13.6)	ND	91 (34–135)
Kryptor	4.3 (3.9–4.7)	15.8 (14.3–17.3)	ND	122 (65–261)
<i>Males (n=127)</i>				
Architect	2.4 (2.1–2.6)	9.9 (9.0–10.9)	ND	65 (25–81)
AutoDelfia	1.4 (1.3–1.6)	6.5 (5.9–7.1)	ND	65 (23–91)
Cobas	2.4 (2.2–2.6)	10.9 (10.0–12.0)	ND	66 (25–80)
Dimension Vista	1.9 (1.7–2.1)	9.2 (8.3–10.1)	ND	67 (25–91)
Immulite	2.9 (2.6–3.4)	11.2 (10.3–12.2)	ND	88 (34–172)
Kryptor	3.8 (3.5–4.1)	14.4 (13.3–15.7)	ND	120 (45–218)

^a5–95 percentile

^bFemale reference intervals using healthy donors (n=95) subjected to exclusion criteria as described in Materials and Methods (i.e. regular menstrual cycle, no hormonal therapy and no night shift)

ND. Not determined

Numbers in parenthesis are 90% confidence intervals

Post-PEG recovery percentage is given as mean value and range in parenthesis