

Kidney transplantation, rejection prophylaxis

Adults:

→ Oral:

Immediate release (Prograf): 200-300 mcg/kg/day in 2 divided doses.

Extended release (advagraf): 200-300 mcg/kg once daily

Extended release (Envarsus): 170 mcg/kg once daily^{[1][2]}

Target Tacrolimus Blood Concentrations in Adult Kidney Transplant Recipients^[3]:

Time Post Transplant (Months)	Cyclosporine Trough Concentration (ng/mL) 12 hours post dose Tandem Mass Spectrometry Assay
Month 1	9 to 12
Month 2 and 3	8 to 10
Month 4,5 and 6	6 to 8
After 6 months	5 to 7

Pediatrics:

→ Same dose as adults^{[1][2]}

Target Tacrolimus Blood Concentrations in Pediatric Kidney Transplant Recipients^[3]:

Time Post Transplant (Months)	Cyclosporine Trough Concentration (ng/mL) 12 hours post dose Tandem Mass Spectrometry Assay
Month 1	10 to 15
Month 2 and 3	8 to 12
Month 4,5 and 6	6 to 10
After 6 months	5 to 7



[1] -Kidney Disease: Improving Global Outcomes (KDIGO) Transplant Work Group. KDIGO clinical practice guideline for the care of kidney transplant recipients. Am J Transplant. 2009;9(Suppl 3):S1-S155.[PubMed 19845597]

[2]- Ashley, Caroline, and Aileen Dunleavy. 2018. The Renal Drug Handbook: The Ultimate Prescribing Guide for Renal Practitioners, 5th Edition. 5th ed. London, England: Routledge,
https://www.medicinainterna.net.pe/sites/default/files/The_Renal_Drug_Handbook_The_Ultimate.pdf

[3] - BC Transplant. (2021, May 13). MEDICATION GUIDELINES FOR SOLID ORGAN TRANSPLANTS. BC Transplant.
(<http://www.transplant.bc.ca/Documents/Health%20Professionals/Clinical%20guidelines/Clinical%20Guidelines%20for%20Transplant%20Medications.pdf>)

