

**Maine Medical Center  
Maine Transplant Program  
Policies and Procedures  
Immunosuppressive Drug Level Guidelines**

1. Patients on immunosuppressive drugs will have appropriately timed levels obtained at regular intervals:
  - Daily during hospitalization
  - Post hospitalization:
    - Twice weekly for 1<sup>st</sup> month
    - Weekly for 2<sup>nd</sup> month
    - Biweekly for 3<sup>rd</sup> month
    - Monthly until the end of the first post transplant year
    - Every 3-4 months thereafter
2. Drug dosages need to be modified if the levels are outside the target range.
3. Drug levels also need to be checked:
  - In the event allograft function deteriorates
  - Potential or suspected drug interactions are suspected
4. Maine Transplant Program no longer recommends sirolimus maintenance therapy unless all other therapeutic options have been exhausted due to inferior outcomes compared with conventional therapy.

<b>Drug</b>	<b>Timing of level</b>	<b>&lt;3 months</b>	<b>3-12 months</b>	<b>&gt;12 months</b>
Tacrolimus	12 hr. trough	10-12 ng/ml	7-10 ng/ml	3.5-5 ng/ml (when on Tac/MMF/Pred 5-7ng/ml (when on Tac/Pred)
Cyclosporine	12 hr. trough	230-300 ng/ml	160-230 ng/ml	70-130 ng/ml
Sirolimus	24 hr. trough	8-12 ng/ml		

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