Everolimus by Tandem Mass Spectrometry
ARUP test code 0092118

Everolimus by HPLC-MS/MS

29.0 ng/mL

Therapeutic Range:
Kidney transplant (in combination with Cyclosporine):
3-8 ng/mL
Liver transplant (in combination with Tacrolimus):
3-8 ng/mL

Toxic value: Greater than 15 ng/mL

Everolimus marketed as Zortress is FDA approved for prophylaxis of organ rejection in adult patients receiving a kidney and liver transplant.

Everolimus marketed as Afinitor is FDA approved for the treatment of renal cell carcinoma and for the treatment of subependymal giant cell astrocytoma (SEGA) associated with tuberous sclerosis (TS) in patients who are not candidates for curative surgical resection. The suggested therapeutic range for treatment of SEGA is 5-15 ng/mL, which is based on a predose (trough) specimen.

The optimal therapeutic range for a given patient may differ from this suggested range based on the indication for therapy, treatment phase (initiation or maintenance), use in combination with other drugs, time of specimen collection relative to prior dose, type of transplanted organ, and/or the therapeutic approach of the transplant center.

This test was developed and its performance characteristics determined by ARUP Laboratories. It has not been cleared or approved by the US Food and Drug Administration. This test was performed in a CLIA certified laboratory and is intended for clinical purposes.

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