

FDA-Approved Infusion Disease-Modifying Therapies for MS and the Recommended Laboratory Courses for Pretreatment Testing and Treatment Monitoring

Detailed prescribing information can be found on the FDA's website at: accessdata.fda.gov/scripts/cder/daf/index.cfm.

Medication	Pretreatment Testing	Recommended Laboratory Monitoring
Lemtrada (alemtuzumab)	CBC with differential IgG antibodies to VZV ^a Serum creatinine Serum transaminases Total bilirubin TSH Tuberculin skin test OR blood test for mycobacterium Urinalysis with urine cell counts Urine protein-to-creatinine ratio	CBC with differential (monthly) HPV screening (annually) Serum creatinine (monthly) Serum transaminases (periodically) Total bilirubin (periodically) TSH (every 3 mos) Urinalysis with urine cell counts (monthly) Urine protein-to-creatinine ratio
Novantrone (mitoxantrone)	CBC hCG (if pregnancy is possible) Liver function tests	CBC (before each dose) hCG before each dose (if pregnancy is possible) Liver function tests (before each dose)
Ocrevus (ocrelizumab)	HBsAg HBV core antibodies (total) Quantitative serum immunoglobins	Quantitative serum immunoglobins (before each dose)
Tysabri (natalizumab)	JCV testing (conducted via TOUCH ^b) CMP	Liver function tests (every 6 mos) Platelet count (if clinically indicated) Neutralizing antibodies (if clinically indicated)

^aTesting for VZV is not required in cases with a professionally confirmed history of chickenpox or documentation of a full course of VZV vaccination.

^bMore information about the TOUCH program can be found at www.touchprogram.com.

CMP, comprehensive metabolic panel; FDA, U.S. Food and Drug Administration; HBsAg, hepatitis B surface antigen; HBV, hepatitis B virus; hCG, human chorionic gonadotropin; HPV, human papillomavirus; IgG, immunoglobulin G; JCV, JC virus; MS, multiple sclerosis; TOUCH, TYSABRI Outreach: Unified Commitment to Health; TSH, thyroid stimulating hormone; VZV, varicella-zoster virus

Source: U.S. Department of Health and Human Services, U.S. Food and Drug Administration. Drugs@FDA: FDA-approved drugs. [Updated: Mar 2018; Accessed: Dec 2022]