

LAC+USC Medical Center

**Medical Center
Chemotherapy Orders**

Appendix A

Approved 11/16/2020

Required Laboratory Monitoring for Chemotherapy Medications

Medication	Required Laboratory Monitoring	Generally Acceptable Values
<i>Cytotoxic chemotherapy (additional requirements for specific medications below)</i>	<i>ANC, Plt with the first dose of each cycle, then every week or with each dose (whichever is less frequent)</i> <i>SCr, AST, ALT, Tbili with the first dose of each cycle</i>	<i>ANC 1 to 10K Plt greater than or equal to 100K SCr less than or equal to 1.5 mg/dL AST less than 3 x ULN ALT less than 3 x ULN Tbili less than or equal to 1.5 mg/dL</i>
<i>Biologic chemotherapy (additional requirements for specific medications below)</i>	<i>None</i>	<i>None</i>
Alemtuzumab	TSH every three months	TSH without significant change
Arsenic trioxide	Potassium, magnesium every week	Potassium greater than 4 mEq/L Magnesium greater than 1.8 mg/dL
Atezolizumab	All requirements for cytotoxic chemotherapy TSH every month	All requirements for cytotoxic chemotherapy TSH without significant change
Avelumab	All requirements for cytotoxic chemotherapy TSH every month	All requirements for cytotoxic chemotherapy TSH without significant change
Bevacizumab	UPr every month	UPr less than 100 mg/dL (2+ dipstick), or 24-hour UPr less than 2 g/dL
Cabazitaxel	ANC with each dose	ANC 1.5 to 10K
Cetuximab	Magnesium every month	Magnesium greater than or equal to 1.7 mg/dL
Cyclophosphamide	ANC with the first dose of each cycle, then every week or with each dose (whichever is less frequent)	ANC 1.5 to 10K
Docetaxel	ANC with each dose	ANC 1.5 to 10K
Interferon alfa-2b	TSH every three months Triglycerides every three months	TSH without significant change Triglycerides less than 500 mg/dL
Ipilimumab	All requirements for cytotoxic chemotherapy TSH every month	All requirements for cytotoxic chemotherapy TSH without significant change
Necitumumab	Magnesium with each dose	Magnesium greater than or equal to 1.7 mg/dL
Nivolumab	All requirements for cytotoxic chemotherapy TSH every month	All requirements for cytotoxic chemotherapy TSH without significant change

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Medication	Required Laboratory Monitoring	Generally Acceptable Values
Ofatumumab	Hepatitis B panel at baseline	Hepatitis B panel without evidence of current or prior infection, or therapy with tenofovir
Panitumumab	Magnesium every month	Magnesium greater than or equal to 1.7 mg/dL
Pegaspargase	Triglycerides every month	Triglycerides less than 500 mg/dL
Pembrolizumab	All requirements for cytotoxic chemotherapy TSH every month	All requirements for cytotoxic chemotherapy TSH without significant change
Pemetrexed	ANC with each dose	ANC 1.5 to 10K
Ramucirumab	UPr every month	UPr less than 100 mg/dL (2+ dipstick), or 24-hour UPr less than 2 g/dL
Rituximab	Hepatitis B panel at baseline	Hepatitis B panel without evidence of current or prior infection, or therapy with tenofovir
Romidepsin	Potassium, magnesium with each dose	Potassium greater than or equal to 3.5 mEq/L Magnesium greater than or equal to 1.7 mg/dL
Temsirolimus	Triglycerides every three months	Triglycerides less than 500 mg/dL
Trabectedin	ANC with each dose	ANC 1.5 to 10K

ALT: alanine aminotransferase
ANC: absolute neutrophil count
AST: aspartate aminotransferase
Plt: platelet
SCr: serum creatinine

Tbili: total bilirubin
TSH: thyroid-stimulating hormone
ULN: upper limit of normal
UPr: urine protein