

AC CUTANE is indicated for the treatment of:

- Severe Nodular and/or Inflammatory Acne
- Acne Conglobata
- Recalcitrant Acne

	Abbreviated	Normal Range	Testing Frequency	Possible Effect	Incidence	Comments
Complete Blood Count and Differential	Erythrocyte sedimentation rate	ESR	Male: 0-17 mm/hr Female: 1-25 mm/hr	Baseline, first month, then as clinically indicated	↑ sedimentation rate	40%
	Hemoglobin	Hg	Men: 140-180 g/L Women: 115-155 g/L	Baseline, first month, then as clinically indicated	↓ Hg (Anemia)	Less common than other parameters listed
	Neutrophils	NEU	Absolute neutrophils 2-7 x 10 ⁹ /L	Baseline, first month, then as clinically indicated	↓ NEU (Neutropenia)	Less common than other parameters listed
	Platelet count	PLT	130-400 x 10 ⁹ /L	Baseline, first month, then as clinically indicated	↓ PLT (Thrombocytopenia) ↑ PLT	Less common than other parameters listed
	White blood cells (Leukocytes)	WBC (LKC)	3.2-9.8 x 10 ⁹ /L	Baseline, first month, then as clinically indicated	↓ WBC (↓LKC) (Leukopenia)	Less common than other parameters listed
Urinalysis	Protein	Protein - urine	Negative or < 150 mg/day	As clinically indicated	↑ protein (proteinuria)	Less common than other parameters listed
	Red blood cells	RBC - urine	0-2/high-power field	As clinically indicated	↑ red blood cells	Less common than other parameters listed
	White blood cells	WBC - urine	0-2/high-power field	As clinically indicated	↑ white blood cells	Less common than other parameters listed
Lipids	Fasting cholesterol	Chol.	< 5.2 mmol/L	Baseline, first month, then as clinically indicated and at end of treatment	↑ cholesterol levels	7% ▪ ↑ cholesterol reversible upon dose reduction or cessation of therapy
	Fasting triglycerides	TG	< 1.7 mmol/L	Baseline, first month, then as clinically indicated and at end of treatment	↑ TG levels	25% ▪ ↑ in TG reversible upon dose reduction or cessation of therapy ▪ If serum triglycerides are >9 mmol/L, patient is at risk of acute pancreatitis ▪ Discontinue therapy if uncontrolled hypertriglyceridemia or symptoms of pancreatitis occur
	High density lipoproteins	HDL	> 1.3 mmol/L	Baseline, first month, then as clinically indicated and at end of treatment	↓ HDL levels	15% ▪ ↓ HDL reversible upon dose reduction or cessation of therapy
Liver Function	Alanine aminotransferase (serum)	ALT	0-585 nkat/L	Baseline, first month, then at 3 month intervals	↑ ALT	15%
	Alkaline phosphatase (serum)	ALP	500-2000 nkat/L	Baseline, first month, then at 3 month intervals	↑ ALP	15% ▪ If normalization does not readily occur, or if hepatitis is suspected, discontinue therapy and further investigate the etiology
	Aspartate aminotransferase (serum)	AST	0-585 nkat/L	Baseline, first month, then at 3 month intervals	↑ AST	15%
Pregnancy	Serum or Urine	β-hCG serum β-hCG urine		Two negative pregnancy tests before starting ACCUTANE therapy; the first pregnancy test should be conducted at initial assessment when the patient is qualified for ACCUTANE therapy by the physician; the second pregnancy test should be performed within 11 days prior to initiating therapy; then monthly, including one month following discontinuation of treatment	Major human fetal abnormalities	≥ 25% ▪ Urine or serum pregnancy test with a sensitivity of at least 25 mIU/mL with a negative result, performed in a licensed laboratory
	Fasting glucose (plasma)		3.9-6.1 mmol/L	As clinically indicated	↑ fasting blood sugar	Unknown ▪ Known or suspected diabetics should have periodic blood sugar determinations
Other Tests	Creatine phosphokinase (serum) ¹	CPK	5-130 u/L	As clinically indicated	↑ CPK, particularly in those patients undertaking vigorous physical activity ¹	12% ▪ ↑ CPK reversible after 2 to 4 weeks of therapy cessation ¹
	Urate, as uric acid (serum)		120-420 μmol/L	As clinically indicated	↑ uric acid (hyperuricemia)	Less common than other parameters listed

¹ CPK elevation is based on the results of one study. In an open-label clinical trial (N=217) of a single course of therapy with ACCUTANE for severe recalcitrant nodular acne in pediatric patients 12 to 17 years, transient elevations in CPK were observed in 12% of patients, including those undergoing strenuous physical activity in association with reported musculoskeletal adverse events such as back pain, arthralgia, limb injury, or muscle sprain. In these patients, approximately half of the CPK elevations returned to normal within 2 weeks and half returned to normal within 4 weeks. No cases of rhabdomyolysis were reported in this trial.

References:
Current ACCUTANE Product Monograph.
Compendium of Pharmaceuticals and Specialties. Canadian Pharmacists Association.

For full prescribing information, please consult the ACCUTANE Product Monograph.