

Test Name	Test Code	Result	Interpretation
Chloride	MSFL	>60 mmol/L in infants	Possible congenital chloridorrhea
		>100 mmol/L in adults	Secondary chloridorrhea
Osmolality	MSFL	275 – 295 mOsm/kg	Normal stool osmolality
		*Osmo gap -10 to 10	Normal stool osmo gap
		*Osmo gap >125 mOsm/kg	Osmotic diarrhea
		*Osmo gap <50 mOsm/kg	Secretory diarrhea
Potassium	MSFL	>serum potassium with normal stool osmo gap	Possibly infectious or secretory diarrhea
Sodium	MSFL	>serum sodium with normal stool osmo gap	Possibly infectious or secretory diarrhea
		>serum sodium with Osmolality >400 mOsm/kg	Contamination with urine is likely

*Stool Osmo Gap = Stool Osmolality (measured) – 2[stool Na + stool K]

Updated May 11, 2026