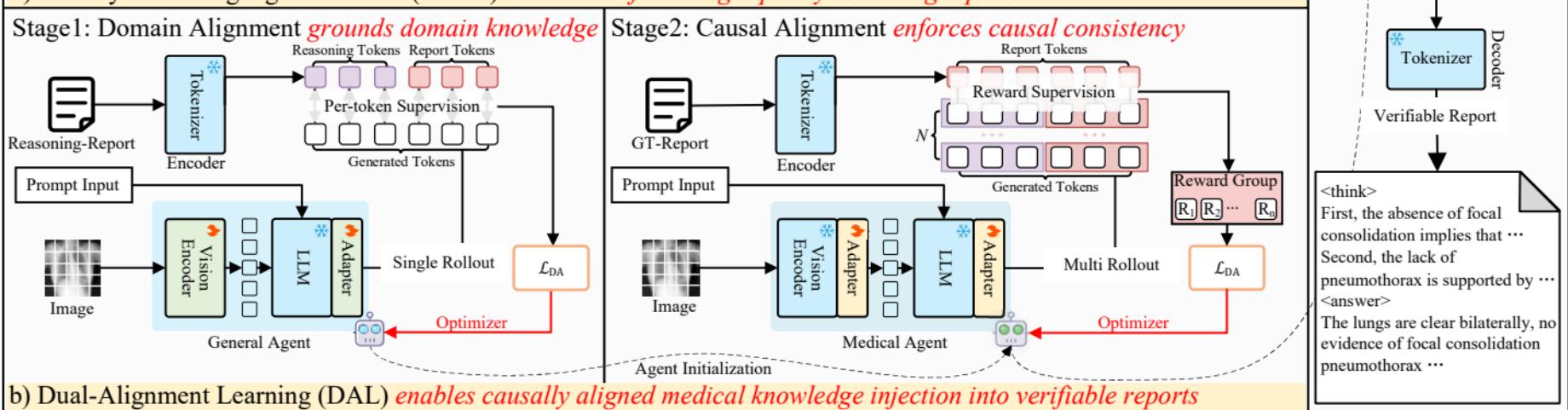


a) Ternary Reasoning Agent Checker (TRAC) *enables verifiable high-quality reasoning reports*



b) Dual-Alignment Learning (DAL) *enables causally aligned medical knowledge injection into verifiable reports*