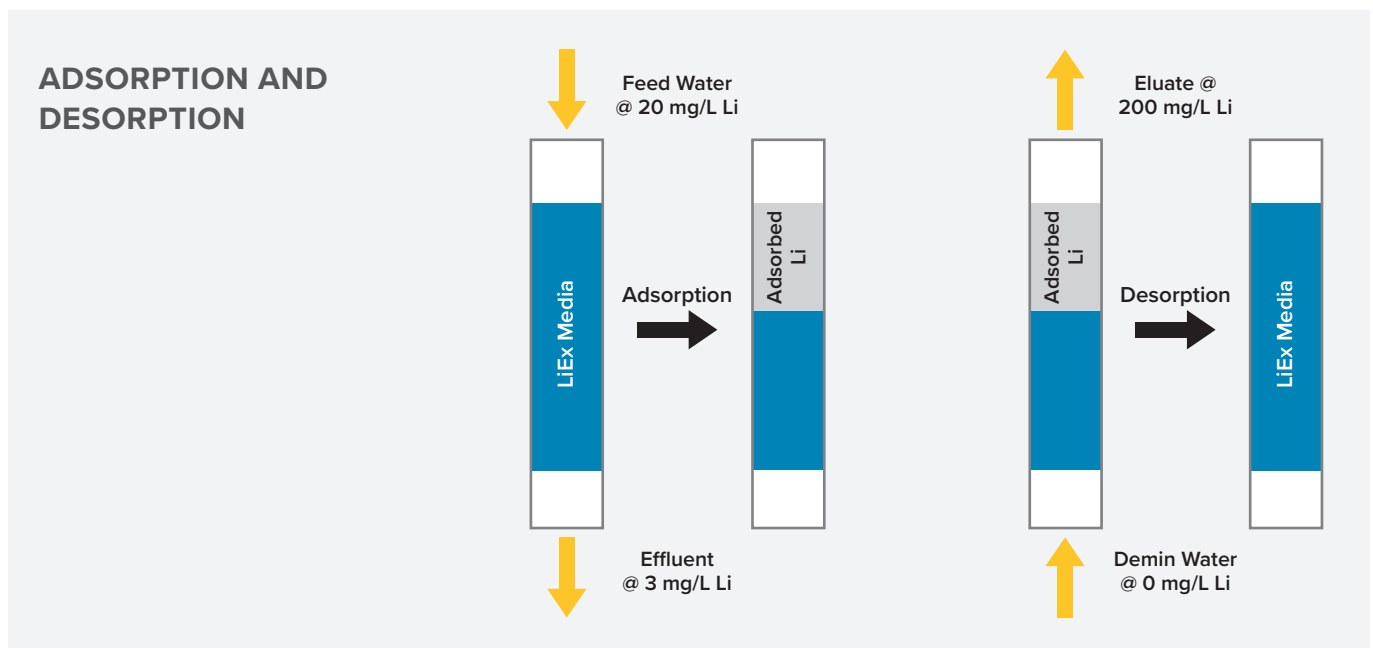


LiEx FOR LITHIUM EXTRACTION

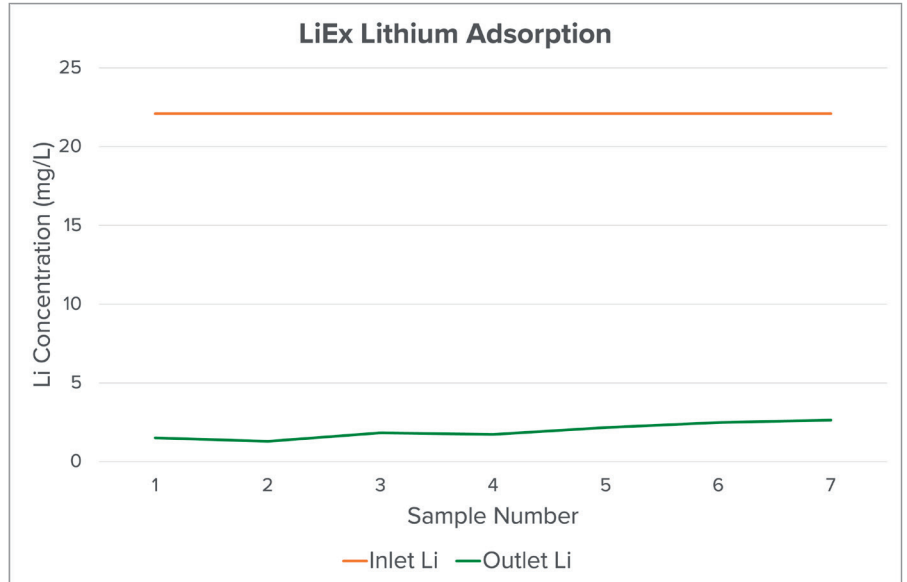
LiEx is a revolutionary solution poised to transform the landscape of lithium extraction. Harnessing cutting-edge technology, LiEx offers a sustainable and efficient method to extract low levels of lithium from water sources, unlocking a vital resource for the rapidly growing electric vehicle and renewable energy industries.

Our innovative process not only ensures high purity lithium extraction but also minimises environmental impact, paving the way for a greener future. LiEx represents a valuable tool in the lithium industry, promising to meet the escalating global demand while prioritising environmental stewardship.

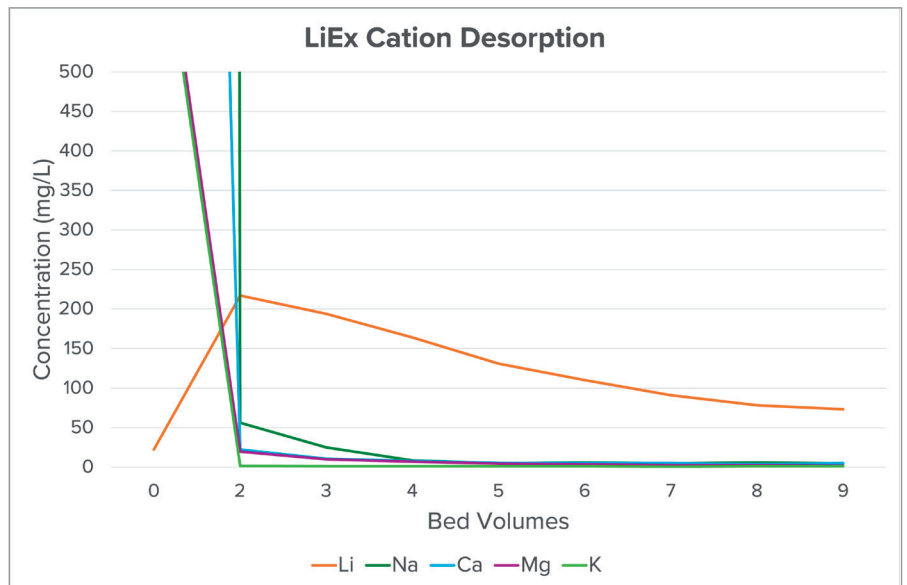
The LiEx process utilises a simple 2-stage adsorption/desorption process. The feedwater is first passed through the LiEx media where the lithium is adsorbed to the LiEx media. Once the LiEx media is loaded the feedwater flow is halted and the lithium is desorbed from the LiEx media via reverse flow. The eluate liquor contains 200-300 mg/L lithium which can be concentrated further (20,000 mg/L) using reverse osmosis.



Lithium extraction rates of more than 80% are achievable with LiEx, with high selectivity towards lithium in the presence of other Group I and Group II ions (Na, K, Ca, Mg).



During desorption competing Group I and Group II ions are desorbed rapidly in the 'first flush' while lithium desorption is delayed producing a high purity lithium solution for mineralisation.



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