

Benchmark Tests (Direct)								
Test Name	Action Name	Foundation	LooksRare	Seaport	sudoswap	Wyvern	X2Y2	ZeroEx
ERC721 -> ETH List-On-Chain	List	74027(+121%)	✗	36438(+9%)	96681(+189%)	55581(+66%)	✗	33474
	Fulfill	92295(+83%)	✗	55524(+10%)	50363	115357(+129%)	✗	56953(+13%)
ERC721 -> ETH	Fulfill, w/ Sig	✗	170239(+129%)	75076(+1%)	✗	102735(+38%)	120414(+62%)	74331
ERC1155 -> ETH List-On-Chain	List	✗	✗	29938	✗	53604(+79%)	✗	34010(+14%)
	Fulfill	✗	✗	52117	✗	104257(+100%)	✗	56149(+8%)
ERC1155 -> ETH	Fulfill, w/ Sig	✗	112705(+49%)	75669	✗	105664(+40%)	✗	75523
ERC721 -> ERC20 List-On-Chain	List	✗	✗	29938	94684(+216%)	51081(+71%)	✗	31474(+5%)
	Fulfill	✗	✗	61800	77802(+26%)	119818(+94%)	✗	80431(+30%)
ERC721 -> ERC20	Fulfill, w/ Sig	✗	102217(+22%)	85352(+2%)	✗	114725(+37%)	138770(+65%)	83909
ERC1155 -> ERC20 List-On-Chain	List	✗	✗	29938	✗	53604(+79%)	✗	32010(+7%)
	Fulfill	✗	✗	62507(+1%)	✗	116218(+88%)	✗	61727
ERC1155 -> ERC20	Fulfill w/ Sig	✗	103566(+22%)	86059(+1%)	✗	117625(+38%)	✗	85101
ERC20 -> ERC721 List-On-Chain	List	✗	✗	29938(+30%)	22946	51081(+123%)	✗	31474(+37%)
	Fulfill	✗	✗	61936	64088(+3%)	113339(+83%)	✗	82624(+33%)
ERC20 -> ERC721	Fulfill w/ Sig	✗	102231(+22%)	85488(+2%)	✗	114717(+36%)	136823(+63%)	84102
ERC20 -> ERC1155 List-On-Chain	List	✗	✗	29938	✗	53604(+79%)	✗	32010(+7%)
	Fulfill	✗	✗	62560	✗	116239(+86%)	✗	64043(+2%)
ERC20 -> ERC1155	Fulfill w/ Sig	✗	103580(+21%)	86112(+1%)	✗	117646(+38%)	✗	85417
ERC721 -> ERC1155 List-On-Chain	List	✗	✗	29938	✗	✗	✗	✗
	Fulfill	✗	✗	70967	✗	✗	✗	✗
ERC721 -> ERC1155	Fulfill w/ Sig	✗	✗	94580	✗	✗	✗	✗
ERC1155 -> ERC721 List-On-Chain	List	✗	✗	29938	✗	✗	✗	✗
	Fulfill	✗	✗	70967	✗	✗	✗	✗
ERC1155 -> ERC721	Fulfill w/ Sig	✗	✗	94580	✗	✗	✗	✗
ERC721 -> ETH One-Fee-Recipient List-On-Chain	List	50227(+64%)	✗	30646	✗	51081(+67%)	✗	34418(+12%)
	Fulfill	102845(+21%)	✗	85277	✗	133754(+57%)	✗	104645(+23%)
ERC721 -> ETH One-Fee-Recipient	Fulfill w/ Sig	✗	✗	110829(+3%)	✗	139132(+29%)	134873(+25%)	108124
ERC721 -> ETH Two-Fee-Recipient List-On-Chain	List	✗	✗	31359	✗	✗	✗	37904(+21%)
	Fulfill	✗	✗	119029	✗	✗	✗	138982(+17%)
ERC721 -> ETH Two-Fee-Recipient	Fullfil /w Sig	✗	✗	142581	✗	✗	168612(+18%)	142461
ERC721x10 -> ETH List-On-Chain	List	✗	✗	35449	570194(+1508%)	77542(+119%)	✗	✗
	Fulfill	✗	✗	147027(+19%)	123818	447450(+261%)	✗	✗
ERC721x10 -> ETH	Fulfill /w Sig	✗	✗	152641	✗	428357(+181%)	176552(+16%)	✗
ERC721x10 -> ETH Distinct Orders List-On-Chain	List	✗	✗	290235	956788(+230%)	✗	✗	✗
	Fulfill	✗	✗	405732(+5%)	386803	✗	✗	✗
ERC721x10 -> ETH Distinct Orders	Fulfill /w Sigs	✗	✗	638007(+60%)	✗	✗	694769(+74%)	398542
ERC721x10 -> ERC20 Distinct Orders List-On-Chain	List	✗	✗	290235	✗	✗	✗	✗
	Fulfill	✗	✗	413748	✗	✗	✗	✗
ERC721x10 -> ERC20 Distinct Orders	Fulfill /w Sigs	✗	✗	648023(+82%)	✗	✗	933039(+162%)	355522
ERC721 A -> B -> C -> A	Fulfill /w Sigs	✗	✗	206132	✗	✗	✗	✗