

Brainstorming ideas	Weight	BASELINE: telling the waiter about gluten allergy, researching food before, and using own utensils	Gluten sensor https://nimapartn.com/	Gluten test strip https://ezgluten.com/	Gluten scanner	mini ELISA	Probe	Imaging system	Dye/Powder/spray	Spectrometry	mini ultrasound system	antibodies	Microscopy	pill to aid in digestion/reduce reaction
User Requirements														
Reliably detects gluten	5	3	3	3	3	5	3	4	2	4	1	5	4	1
Clinically tested to detect gluten	4	3	1	5	4	4	3	3	4	5	1	5	3	1
FDA approved	5	3	1	1	3	3	3	3	3	4	1	1	3	1
Safe for users	5	3	3	3	3	2	4	2	3	4	2	3	5	3
Will not contaminate food it is testing	3	3	3	3	5	3	2	5	5	2	3	2	5	5
Food safe	2	3	3	3	5	3	3	5	5	2	3	2	3	3
Easy to use	3	3	4	5	5	2	4	3	3	1	1	2	3	5
Easy to understand results	4	3	4	5	3	2	4	2	2	2	1	4	2	1
Easy to clean	2	3	2	3	5	2	5	5	2	1	2	1	3	3
Can be carried in purse/ backpack	1	3	1	5	3	3	3	2	3	2	1	3	2	5
Fast results	2	3	4	4	2	1	3	2	4	2	4	2	3	3
Light weight	1	3	5	5	2	3	2	2	3	2	3	3	1	5
Long battery life	1	3	3	3	2	3	3	2	1	1	4	3	1	3
An app	1	3	1	1	3	1	4	3	1	1	5	1	1	1
Works with popular smartphones	1	3	1	1	1	1	3	2	1	1	5	1	1	1
Standard charger	1	3	3	1	1	1	4	1	1	1	5	1	1	3
Low/no waste	2	3	5	2	1	1	3	4	2	1	4	1	1	2
Quiet/low profile	3	3	2	3	2	2	2	2	3	1	1	1	1	4
Gives quantitative information on the amount of gluten present	1	3	2	1	1	1	3	1	1	4	1	1	3	1
tests the entire meal	5	3	1	1	1	1	5	5	4	2	4	5	5	3
can handle solid and liquid food	2	3	1	4	5	4	3	5	4	2	1	5	2	5
Totals:		63	53	62	60	48	69	63	57	45	53	52	53	59
Weighted totals:		198	145	238	215	187	224	210	213	201	142	231	201	152