

# ChromaDex Product List



## PRICE LIST OF BIOASSAYS

### A. BIOCHEMICAL ASSAYS

No	Code	Bioassay	Pharmacological Relevance	\$/Sample (in USD)	Turn Around Time
1.	BCA01	Alpha - Amylase Inhibition Assay	Obesity, Diabetes		2 weeks
2.	BCA02	Alpha - Glucosidase Inhibition Assay	Anti-diabetic		2 weeks
3.	BCA03	Beta - Glucuronidase Inhibition Assay	Hepatoprotective, Axillary odour		3 weeks
4.	BCA04	ABTS Radical Scavenging Assay	Anti-oxidant		3 weeks
5.	BCA05	Acetylcholinesterase Inhibition Assay*	Cognition enhancement		3 weeks
6.	BCA06	Aryl Sulphatase Inhibition Assay	Axillary odor		3 weeks
7.	BCA07	Butyrylcholinesterase Inhibition Assay*	Cognition enhancement		3 weeks
8.	BCA08	Collagenase Inhibition Assay	Anti-ageing / Anti-wrinkle		4 weeks
9.	BCA09	Nitric-oxide Scavenging Assay	Anti-oxidant, Alzheimer's disease		3 weeks
10.	BCA10	Superoxide Anion Scavenging Activity (PMS-NADH system)	Anti-oxidant		3 weeks
11.	BCA11	DPP IV Inhibition Assay	Anti diabetic, obesity		4 weeks
12.	BCA12	DPPH Assay*	Anti-oxidant		3 weeks
13.	BCA13	Elastase Inhibition Assay	Anti wrinkle, Anti-ageing		3 weeks
14.	BCA14	Hyaluronidase Inhibition Assay	Anti-inflammatory. Anti wrinkle		3 weeks
15.	BCA15	Hydroxyl Radical Scavenging Assay	Anti-oxidant		3 weeks
16.	BCA16	Lipase Inhibition Assay	Obesity		3 weeks
17.	BCA17	15 - Lipoxygenase Inhibition Assay	Anti-inflammatory		3 weeks
18.	BCA18	Trypsin Inhibition Assay	Anti-inflammatory		3 weeks
19.	BCA19	Xanthine Oxidase Inhibition Assay	Gout		3 weeks
20.	BCA20	TC- PTPase Inhibition Assay	TC-PTPase inhibitors are likely to inhibit PTP-1B)		4 weeks
21.	BCA21	PTP-IB Inhibition Assay	Anti-diabetic, Anti-obesity		4 weeks
22.	BCA22	Aldolase Inhibition Assay	Obesity		3 weeks
23.	BCA23	COX-I Inhibition Assay	Done along COX II assay to know selectivity		4 weeks
24.	BCA24	COX II Inhibition Assay	Inflammation		4 weeks
25.	BCA25	Phosphodiesterase -I Inhibition Assay	Arthritis		4 weeks
26.	BCA26	Protein Phosphatase-1 Inhibition Assay	Cognition enhancement		3 weeks
27.	BCA27	Trolox Equivalent Antioxidant Capacity Assay	Anti-oxidant		4 weeks
28.	BCA28	Thymidine phosphorylase (TP) Inhibition Assay	Anti-psoriasis		4 weeks
29.	BCA29	RHO-Kinase (ROCK-II) <sup>new</sup>	Erectile dysfunction / Male impotency		4 weeks
30.	BCA30	Caspase-3 inhibition Assay <sup>new</sup>	Alzheimer's, neurodegenerative disease		4 weeks

- Note: 1. All biochemical assays quoted above are quoted based on a TEN(10) data points per sample(FIVE(5) concentrations tested in duplicate).  
 2. Turn around times are estimates only, times may vary depending on samples/project.

## B. CELLULAR ASSAYS

No	Code	Bioassay	Pharmacological Relevance	Cost / Data point (in USD)	Turn around Time
31.	CA01	RIN Cell Assay	Diabetes, Insulin secretion		6 weeks
32.	CA02	Phagocytic Index Assay	Immune modulation		9 weeks
33.	CA03	Lymphocyte Proliferation Assay	Immune modulation		6 weeks
34.	CA04	NO Release Assay	Immune modulation		6 weeks

Note:

1. All CELLULAR assays quoted above are quoted based on a THIRTY(30) data points per sample(FIVE(5) concentrations tested in SIX(6) replicates).
2. Turn around times are estimates only, times may vary depending on samples/project.

## C. MISC. ASSAYS

No	Code	Bioassay	Pharmacological Relevance	Cost / Data point (in USD)	Turn Around Time
35.	MA01	Brine Shrimp Lethality Test	Non specific general bioassay		4 weeks
36.	MA02	Caenorhabditis elegans Lethality Assay	Anti-helminic		4 weeks
37.	MA03	Antimicrobial Assay (MIC)*	Antimicrobial activity		4 weeks
38.	MA04	Antifungal Assay (MIC)	Antifungal activity		4 weeks

Note:

1. All biochemical assays quoted above are quoted based on a TEN(10) data points per sample(FIVE(5) concentrations tested in duplicate).
2. Turn around times are estimates only, times may vary depending on samples/project.

### Quantity of sample required:

- 1 gm sample in a properly closed air tight container. In case the sample is scarce and expensive, lesser quantities could also suffice (Please specify the assays for us to provide the minimum sample quantity requirement).

### Turn Around Time:

- The table indicates the typical turn around time required for performing the assays. Please check the exact time required for the analysis at the time of order, as your sample/project may be in queue.

### Notes:

- Samples with poor solubility profile in aqueous buffers may not be suitable for analysis.
- IC<sub>50</sub> values can be calculated only for active samples. For samples which do not have sufficient activity the results may not be amenable to statistical analysis or graph plotting and they will be reported as such. New assays are added every month; please send us a request for a comprehensive list.