

Undenatured Whey Protein (UWP) Comparison

Brand =>	Immunocal	ImmunoPro/Vital Whey ¹	ImmunPlex	Antler Farms	Raw Organic Whey	NorCal Whey
Manufacturer	Immunotec Inc.	Wisdom Proteins Inc.	ProHealth Inc.	Antler Farms	Raw Organic Whey	Norcal-Organic
Country of origin	USA	USA	USA	New Zealand	USA	USA
UWP Type	isolate	concentrate	isolate	isolate	concentrate	concentrate
Cow feed	hay, alfalfa, grain & grass	grass	grass, silage	grass	grass	grass
Non-GMO	yes	yes	yes	yes	yes	yes
Milk processing temp.	63C for 30 min. ²	71.7C for 15 sec.	not disclosed	not disclosed	71.7C for 15 sec.	73.3C for 17 sec.
Ingredients	undenatured whey protein isolate	Proserum ^(R) undenatured native whey protein concentrate (Australia)	Provon ^(R) undenatured whey protein isolate, natural vanilla flavor, lecithin	undenatured whey protein isolate, organic vanilla, organic stevia extract, sunflower lecithin	undenatured organic whey protein concentrate	undenatured organic whey protein, sunflower lecithin
Protein content	90%	80%	88%	86.7%	84%	84%
Glutathione Precursors						
Cysteine per 10g	240 mg ²	224 mg	210 mg	255.6 mg	270 mg	80 mg
Glutamate per 10g	2010 mg ²	1993 mg	1380 mg	1789.2 mg	2000 mg	1550 mg
Glycine per 10g	200 mg ²	213 mg	170 mg	160.9 mg	230 mg	150 mg
Protein Fractions						
Bovine serum albumin	10 +/- 1% ²	5.49%	5%	3.3%	not disclosed	3-5%
Gamma-lactoglobulin	-	-	51%	-	not disclosed	-
Alpha-lactalbumin	11.4 +/- 0.6% ²	-	23%	14.2%	not disclosed	12-15%
Beta-lactoglobulin	57.8 +/- 0.9% ²	-	-	69.2%	not disclosed	48-52%
Lactoferrin	-	4.96%	2%	-	not disclosed	0.05-1.2%
Immunoglobulins	22 +/- 0.7% ²	12.31%	present	2.1%	not disclosed	7-9%
Glucomicropeptides	-	present	18%	1.6%	not disclosed	0.5-5%
Other information						
Lactose	<1%	10%	0.7%	1%	8%	4%
Cholesterol per 10g	insignificant amount	10mg	1mg	1.66mg	20.8mg	16mg
Research with brand	yes (animal and human)	no	yes (animal)	no	no	no
PDR/CPS listing ³	yes	no	no	no	no	no
Packaging	thirty 10g pouches (300g)	300g/600g container	306g container	900g bag	340g bag	340g or 907g bags
Price per 10g ⁴	\$2.56	\$1.17/\$0.73	\$0.99	\$0.60	\$0.59	\$0.88 or \$0.72
Web-site	www.immunotec.com	www.wellwisdom.com	www.prohealth.com	www.antlerfarms.com	www.raworganicwhey.com	www.norcal-organic.com

¹ ImmunoPro and Vital Whey are the same brand by Wisdom Proteins; the only difference is the size of packaging and the suggested serving size. For your information, another brand that uses Proserum^(R) undenatured whey concentrate in its ingredients is Wild Whey manufactured by Wild Foods.

² Although Immunotec Inc. does not disclose current values, Dr. Bounous who developed Immunocal indicated these values in his US Patent 5,888,552 from 3/30/1999. Note that at the early stages of its existence Immunocal used to be a concentrate; the current isolate formulation is likely to have the amounts of amino acids approximately 10% higher since isolates have more protein in them. The ratios of protein fractions should remain the same.

³ Physician's Desk Reference (PDR) in the US, Compendium of Pharmaceuticals and Specialties (CPS) in Canada – doctors' reference books that list approved prescription drugs and certain supplements.

⁴ Price is based on amazon.com pricing on 1/24/2017, the date of putting this table together, and may change.

Disclaimer: The sources of information for this table are the products' nutrition labels, the companies' web-sites, their responses to our emails during January 2017, and patents. This information has been put together to the best of our knowledge and is for educational purposes only. Consumers are encouraged to contact the manufacturers with any additional questions. These products are not intended to diagnose, treat or cure any disease. Please consult a healthcare professional regarding treatment of any condition.