Cell Viability Incorporated

WHAT DOES THE CELL VIABILITY INC. REAGENT PACK LOOK LIKE INSIDE?

The purpose of this document is to illustrate the contents of the Cell Viability Inc. reagent pack.

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The Cell Viability Inc reagent pack was developed to meet the functional requirements of the Vi-Cell. Below are the main aspects of the reagent pack:

- **Component equivalency**

With respect to equivalency, below is a list of the components of both Beckman Coulter Inc. and Cell Viability Inc. reagent packs. The table below was created using the Material Data Safety Sheets for both reagent packs.

Component	Beckman Coulter Name & Contents	Cell Viability Name & Contents	Equivalency
Trypan Blue Dye	Trypan Blue 0.4%	Trypan Blue Solution, 0.4%	✓ Equivalent
Disinfectant	Disinfectant: Isopropyl Alcohol, % by wt., 70	Isopropyl alcohol, 70% in water	✓ Equivalent
Buffer Solution	Buffer Solution	Buffer Solution	✓ Equivalent
Cleaning Agent	Cleaning Agent	Cleaning Agent- Enzymatic Cleaner	✓ Equivalent

Contents of this reagent pack has been proven to be equivalent.

- **Reagent Performance**

With respect to performance, a side-by-side comparison was done by a major pharmaceutical company with the Beckman Coulter reagents and the reagents from Cell Viability Inc. Results proved to be comparable and acceptable.

Vi-CELL XR 2.03

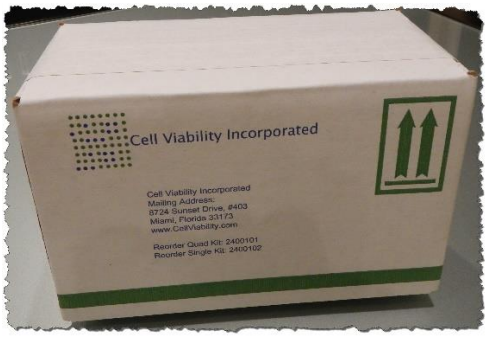
Beckman Coulter, Inc.

Reagents Brand	Sample ID	Total cells	Viable cells	Viability	Total cells	Viable cells	Avg. diam.	Avg. circ.	Avg. cells	Avg. background
Beckman reagent	Molm13-1	1838	1821	99.1	2.03	2.01	13.85	0.86	36.8	204
	Molm13-2	1904	1881	98.8	2.10	2.08	13.52	0.87	38.1	204
	Molm13-3	2071	2050	99.0	2.29	2.26	14.17	0.88	41.4	204
Cell viability reagent	Molm13-1	1859	1843	99.1	2.05	2.04	13.39	0.89	37.2	205
	Molm13-2	1840	1821	99.0	2.03	2.01	13.22	0.89	36.8	205
	Molm13-3	2141	2115	98.8	2.36	2.34	13.74	0.89	42.8	206

Conclusion: The reagents from the two brands have the similar results on cell counting with the same samples.

- **Box Configuration**

The Cell Viability Inc. ***Single Pack*** is made up of a small outer box with the reagent kit inside along with a re-sealable bag containing 200 sample cups.



The Cell Viability Inc. ***Quad Pack*** consists of a larger outer box that holds inside four of the Single Packs. By packaging the Quad Pack in this way, the user is able to use the Single Packs as they need, without risking any contamination to the unused packs.

- **Sample cups included.**

The sample cups for the Cell Viability Single Packs are packaged in re-sealable bags allowing the user to reduce the risk of dust or contamination of the unused cups. In addition, the Cell Viability Single Pack vials are packaged with 200 sample cups. The Vi-Cell XR is capable of performing up to 200 analyses. Having 200 sample cups ensures that the end user will have enough sample cups for the full use of the reagent pack.

- **Quality of packing box.**

The Cell Viability reagent pack uses an auto-closing box which offers strength and rigidity for handling purposes. The top of the box is also closed with tape to ensure it remains closed when handling. In addition, for safety and shipping purposes, the Cell Viability reagent pack uses security shrink wrap on all four bottles.

- **Quality of bottles.**

For bottle selection, Cell Viability Inc. uses Sterile PET Nalgene bottles to ensure they are particle free to reduce the risk of contamination.

For additional Information, please contact us directly:
Cell Viability Inc
8724 Sunset Drive #403
Miami, Florida 33173
Phone – 1-800-618-7660
Fax – 305-574-7800
E-mail: Sales@CellViability.com
www.CellViability.com

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More on Cell Viability Inc… *Members of the Cell Viability Inc team have extensive experience in the scientific field including many years working at Coulter Corporation and Beckman Coulter Inc. Our experience spans from hardware, reagent, development, service to technical support. We continuously strive to improve the delivery of a quality product at affordable prices to our customers.*

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